

CALIFORNIA SCHOOLS

MAY
1957



Sacramento State College

CALIFORNIA SCHOOLS

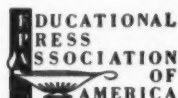
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THE COVER ILLUSTRATIONS, which show buildings on the campus of Sacramento State College, were furnished by the Audio-Visual Center of the College. The college has been operating on its own campus on the bank of the American River at the eastern edge of Sacramento since February, 1953.

ADULT EDUCATION IN ITS CENTENNIAL YEAR

STANLEY E. SWORDER, *Acting Chief, Bureau of Adult Education*

One hundred years ago last fall the first evening school was established by the San Francisco Board of Education. During the period 1856-1900, evening schools and adult classes were established in San Francisco, Sacramento, Oakland, San Jose, and Los Angeles. Early school records tell us that the curriculum included reading, writing, penmanship, spelling, grammar, English, bookkeeping, mechanical drawing, arithmetic, algebra, electrical science, and history of the United States.

By 1907 the first important steps had been taken in establishing a legal base for adult education in the public schools of California. The first courses had been elementary and remedial. Gradually the demand had arisen for education on a higher level and curriculums were expanded to meet the needs of adults.

Present Trends in Adult Education Programs

While it is true that all school administrators are faced with the challenge of adjusting educational programs to meet the changes that come about in our society, this challenge is felt more keenly and quickly by adult education administrators than perhaps any other group. During the past several years very definite trends appear to be taking place in adult education programs.

Increases in enrollment (10 per cent or more) by subject area in order of greatest growth are: first, academic subjects, followed by citizenship, and English for the foreign born; business education; trade, industrial and shop; parent education; and fine arts and music. Enrollments in subject areas showing little change (increases of less than 10 per cent) are: homemaking subjects, civic affairs, physical education, safety and health, and agriculture. The field of crafts showed a considerable decrease in enrollment.

Trends in Adult Education Based on the Granting of Diplomas

For the school year 1955-56, the study revealed that through adult education programs in high schools and junior colleges 8,880 adults received diplomas. The distribution breakdown was: elementary diplomas, 436; high school diplomas, 7,712; junior college Associate of Arts degree, 732.

There is a marked increase in the number of adults desiring elementary diplomas, high school diplomas and the Associate of Arts degree. This indicates that adults are cognizant of the fact that diplomas and degrees are increasingly important as symbols of vocational and personal competence.

Survey of Adult Education Enrollments in California, 1957

It is timely to look at our California program of adult education. For this purpose, information was gathered by means of a broad sampling of adult education programs in high school and junior college districts. Data were requested for the end of the 1956-57 fall semester. Additional data were available from Bureau of Adult Education records and reports so that the survey embraced the total state adult education program.

The results of this survey indicate the continuing growth and present nature of the state-wide program. The information reported reveals that 686,778 students have been enrolled in 18,525 adult classes. Subject areas, enrollment, and number of classes are arranged in the following table according to enrollment.

TABLE 1

NUMBER OF CLASSES, PER CENTS OF TOTAL ENROLLMENT, AND THE ENROLLMENT IN EACH SUBJECT AREA OF THE CALIFORNIA ADULT EDUCATION PROGRAM, FALL, 1956-57

Subject areas	Enrollment	Per cent	Number of classes	Per cent
Academic Subjects.....	174,504	25.41	4,515	24.37
Business Education.....	125,907	18.33	2,979	16.08
Homemaking Subjects.....	78,570	11.44	3,156	17.04
Trade, Industrial & Shop.....	70,623	10.28	1,884	10.17
Citizenship & English for Foreign Born.....	67,539	9.83	1,674	9.04
Fine Arts & Music.....	43,299	6.30	1,335	7.21
Civic Affairs.....	32,325	4.71	336	1.81
Parent Education.....	27,204	3.96	624	3.37
Crafts.....	24,465	3.56	837	4.52
Other.....	22,488	3.28	699	3.77
Physical Education, Safety & Health.....	15,321	2.24	375	2.02
Agriculture.....	4,533	.66	111	.60
Totals.....	686,778	100.00	18,525	100.00

Administrative Patterns for Adult Education

For many years leadership for adult education has been provided by the State Department of Education through the Bureau of Adult Education. The leadership pattern provided by the state has been a source of influence for the development of similar patterns by local districts. Secondary school districts recognize that if good educational programs for adults are to be provided, proper administration, supervision, program planning, and counseling and guidance are necessary. In smaller

communities, one person is designated as the director of adult education and adult classes are attached to the high school or junior college for administrative and reporting purposes. In larger communities, separate adult schools, or adult education divisions have been established. This structure has been sound and California has developed the outstanding program of public school adult education in the United States. The following table shows the distribution of approved adult education programs maintained by secondary and unified school districts.

TABLE 2

SCHOOL DISTRICTS IN CALIFORNIA MAINTAINING APPROVED ADULT EDUCATION PROGRAMS, SHOWING THE NUMBER OF EVENING SCHOOLS AND ADULT EDUCATION DIVISIONS IN THE DISTRICTS, 1955-56

Secondary school districts (including unified districts)	Number of districts	Districts maintaining programs of adult education	Evening schools	Adult education divisions
High School.....	325	261	130	176
Junior College.....	54	45	12	43
Totals.....	379	306	142	219

From the above table, we see that 306, or 80 per cent of the secondary school districts maintain adult education programs. In these districts there are 361 evening schools and adult divisions.

A Look At The Future

During the first 100 years of public school adult education in California we have seen the program develop from one that was primarily remedial and elementary to a program that endeavors to meet the continuing educational needs of adults. These needs arise as adults meet their daily problems as individuals, as wage earners, as homemakers and as citizens in our society.

We know that increasing numbers of adults are aware of the necessity for continuing their education. At the present moment many California school districts are unable to keep up with the educational needs of adults. Some of the reasons for this are all too evident—rising enrollments of children and youth, increased costs, overcrowded facilities, and lack of teachers. As the years go by a larger per cent of adults will request not only more and better education for their children but for themselves as well.

We have reason to be very proud of our high school and junior college districts for their leadership in providing good educational experiences for adults. For years to come California's high school and junior college districts will be asked by their communities to provide more and more educational opportunities for adults. Even then, it will be problematical if we can do all we are asked to do.

FIRST PERIOD APPORTIONMENT FOR GROWTH

RAY H. JOHNSON, *Chief, Bureau of School Apportionments and Reports*

The First Period Apportionment for Growth in regular day schools was certified by the Superintendent of Public Instruction to the State Controller on February 20, 1957, in the amount of \$11,966,633.00. This apportionment from the State School Fund, and a similar one scheduled to be made just before the close of the fiscal year, were designed and authorized by law to provide state assistance to those school districts of the state which continue to experience severe financial problems due to rapidly increasing numbers of pupils in attendance.

The law specifies that two apportionments be made each year to those school districts having more pupils in attendance during the current fiscal year than during the previous fiscal year. The second such apportionment to be made in June, 1957, will be the Second Period Apportionment for Growth. The two amounts are computed in such manner that the total state aid to school districts will be approximately the same, in its distribution among districts, as the amounts which would be employed if the current year's average daily attendance were used for apportionment purposes instead of the average daily attendance of the preceding fiscal year. Therefore, apportionments for growth supplement the Principal Apportionment¹ wherein the factor of the preceding fiscal year's average daily attendance is used. This is the same factor that is required by the Constitution to be employed in determining the total amount of the State School Fund for any fiscal year.

School districts filed reports with the Superintendent of Public Instruction on or before January 20, 1957, indicating the average daily attendance during the full school months in the current fiscal year during the period between July 1 and December 31, and for the same period during the preceding fiscal year.

In general, allowances are made for growth in average attendance between the corresponding periods at the annual unit rate² determined in the Principal Apportionment, modified by a part-year factor. The part-year factor for the First Period Apportionment for Growth represents the number of days of teaching during the first period, divided by 175. A new computation is made of the amount of basic state aid and state equalization aid that would have been allowed in the Principal Apportionment had the average daily attendance been equal to that of the current attendance reported in the case of (1) elementary school

¹ The Principal Apportionment was set forth in detail in *Apportionment of the State School Fund—Part I for the Fiscal Year Ending June 30, 1957—Principal Apportionment*, California State Department of Education, Sacramento, December, 1956.

² The annual unit rate is the amount of basic aid and equalization aid allowed per unit of average daily attendance to each district in the Principal Apportionment.

districts maintaining, during the preceding fiscal year, only one elementary school with a total average daily attendance during such preceding fiscal year of less than 101, exclusive of pupils attending grades 7 and 8 of a junior high school, and (2) high school districts maintaining, during the preceding fiscal year, only one high school with a total average daily

TABLE 1

SUMMARY OF GROWTH IN AVERAGE ATTENDANCE AND AMOUNTS AP-
PORTIONED, 1956-57 AND COMPARATIVE FIGURES OF 1955-56, 1954-55,
AND 1953-54

Fiscal year and level of attendance	First period (February)			Second period (June)			Total amount apportioned (Col. 4 plus Col. 7)
	Number of districts	Growth in average attend- ance	Amount apportioned	Number of districts	Growth in average attend- ance	Amount apportioned	
1	2	3	4	5	6	7	8
Fiscal year 1956-57							
Elementary school.....	799	134,670	\$8,465,060.00				
High school.....	294	55,005	2,968,150.00				
Junior college.....	44	9,944	533,423.00				
Total.....	1,137	199,619	\$11,966,633.00				
Fiscal year 1955-56							
Elementary school.....	782	136,842	\$8,676,098.00	804	137,435	\$13,242,321.00	\$21,918,419.00
High school.....	270	36,287	2,063,574.00	261	35,795	3,046,350.00	5,109,924.00
Junior college.....	49	13,024	689,627.00	46	10,400	855,278.00	1,544,905.00
Total.....	1,101	186,153	\$11,429,299.00	1,111	183,630	\$17,143,949.00	\$28,573,248.00
Fiscal year 1954-55							
Elementary school.....	816	122,785	\$7,630,941.31	812	124,647	\$11,821,565.87	\$19,452,507.18
High school.....	279	34,121	1,901,114.79	280	31,352	2,647,044.34	4,548,159.13
Junior college.....	51	21,248	1,068,244.70	50	18,266	1,431,840.99	2,500,085.69
Total.....	1,146	178,154	\$10,600,300.80	1,142	174,265	\$15,900,451.20	\$26,500,752.00
Fiscal year 1953-54							
Elementary school.....	788	131,438	\$7,421,163.66	800	129,448	\$11,304,142.36	\$18,725,306.02
High school.....	279	35,355	1,803,404.96	272	36,378	2,807,267.51	4,610,672.47
Junior college.....	39	7,331	327,833.79	49	10,963	782,215.72	1,110,049.51
Total.....	1,106	174,124	\$9,552,402.41	1,121	176,789	\$14,893,625.59	\$24,446,028.00

attendance during such preceding fiscal year of less than 281. No allowances were made for small elementary school districts (under 101) unless growth placed them in a higher attendance bracket and the appropriate number of teachers were hired. The brackets of average daily attendance with the corresponding number of teachers required are as follows:

a.d.a.	Number of teachers
1- 25	1
26- 50	2
51- 75	3
76-100	4

A comparison of the First Period Apportionment for Growth in 1956-57 with the First and Second Period Apportionments for Growth made during each of the past three fiscal years is shown in Table 1.

Growth in average attendance as shown in Table 1 represents total growth in those districts which reported growth and which received allowances for growth in comparison with the average attendance of the corresponding periods of the preceding fiscal year. Loss in attendance in the districts which experienced a loss, and the gains or losses in attendance in certain districts which did not receive an allowance, have not been included.

The total amount apportioned for elementary school, high school, and junior college levels for each county as the Principal Apportionment, September 24, 1956, together with the total amount apportioned for each county for the three levels as the First Period Apportionment for Growth, February 20, 1957, is shown in Table 2. Column 5 of this table shows the ratios expressed in per cents between the First Period Apportionment for Growth and the Principal Apportionment 1956-57. Column 6 shows the corresponding ratios expressed in per cents that existed in 1955-56. These ratios indicate the severity of the problem of growth in the several counties. As shown in Table 2, allowances for growth were made to districts in all counties with the exception of Mono County. A year ago, allowances were made to districts in all counties with the exception of Sierra County.

The amount reserved for the First Period Apportionment for Growth, \$12,250,454 (40 per cent of \$12 times last year's total a.d.a.), exceeded the amount of the computed allowances for all districts, \$11,966,633, by \$283,821. No correction factors were required in computing the allowances this year. The unapportioned total of \$283,821 will be used to increase the amounts available for apportionment in the Second Period Apportionment for Growth if needed.

The total of the State School Fund for the fiscal year 1956-57 is \$460,995,369. The following apportionments have been made to date:

Principal Apportionment	September 24, 1956	\$404,423,854
Special Purpose Apportionment	December 10, 1956	19,129,387
First Period Apportionment for Growth	February 20, 1957	11,966,633
Service Fund Emergency Apportionments		
First	October 2, 1956	20,000
Second	February 14, 1957	8,700
Total apportioned to date		\$435,548,574

The present remainder of the State School Fund is \$25,446,795. A portion of this total balance, \$18,659,503, including the remainder of \$283,821 from the First Period Apportionment for Growth, is reserved for the Second Period Apportionment for Growth. Any amounts remaining in the State School Fund at the close of the fiscal year not employed for earlier apportionments will be used to restore reduced

TABLE 2
FIRST PERIOD APPORTIONMENT FOR GROWTH AND PRINCIPAL
APPORTIONMENT, 1956-57, BY COUNTIES

Co. No.	County	Principal Apportionment September 24, 1956	First Period Apportionment for Growth February 20, 1957	Ratio of First Period Apportionment for Growth to Principal Apportionment expressed in per cents	
				1956-57	1955-56
1	2	3	4	5	6
1	Alameda.....	\$23,772,003	\$571,002	2.40	2.68
2	Alpine.....	8,102	536	6.62	3.45
3	Amador.....	479,659	7,684	1.60	2.37
4	Butte.....	2,713,522	65,353	2.41	1.65
5	Calaveras.....	388,224	1,352	0.35	1.20
6	Colusa.....	417,157	6,871	1.65	1.66
7	Contra Costa.....	13,994,164	421,464	3.01	3.10
8	Del Norte.....	590,424	20,733	3.51	4.44
9	El Dorado.....	689,765	24,741	3.59	1.73
10	Fresno.....	13,469,366	344,767	2.56	2.09
11	Glenn.....	670,115	10,183	1.52	0.56
12	Humboldt.....	4,004,090	98,177	2.45	3.48
13	Imperial.....	2,859,220	24,871	0.87	0.98
14	Inyo.....	486,501	7,349	1.51	2.46
15	Kern.....	10,613,586	241,736	2.28	2.31
16	King.....	1,758,958	15,978	0.91	0.29
17	Lake.....	455,102	5,023	1.10	0.23
18	Lassen.....	790,385	3,774	0.48	0.20
19	Los Angeles.....	142,632,744	3,791,500	2.66	2.93
20	Madera.....	1,681,301	19,377	1.15	0.59
21	Marin.....	3,432,287	159,552	4.65	3.06
22	Mariposa.....	142,349	1,988	1.40	0.36
23	Mendocino.....	2,196,724	26,530	1.21	1.75
24	Merced.....	3,049,064	71,322	2.34	2.02
25	Modoc.....	387,005	4,783	1.24	2.41
26	Mono.....	66,559			2.33
27	Monterey.....	4,841,175	185,899	3.84	3.00
28	Napa.....	1,879,072	54,278	2.89	4.29
29	Nevada.....	618,779	5,037	0.81	0.54
30	Orange.....	14,067,268	1,234,630	8.78	9.09
31	Placer.....	1,867,469	35,876	1.92	1.32
32	Plumas.....	353,079	3,394	0.96	1.27
33	Riverside.....	7,484,124	226,809	3.03	3.36
34	Sacramento.....	14,630,350	633,140	4.33	3.78
35	San Benito.....	452,142	6,952	1.54	1.45
36	San Bernardino.....	14,307,202	485,234	3.39	3.20
37	San Diego.....	23,266,183	834,261	3.59	3.26
38	San Francisco.....	10,781,436	87,146	0.81	0.90
39	San Joaquin.....	7,943,097	118,399	1.49	1.98
40	San Luis Obispo.....	2,098,524	50,644	2.41	1.34
41	San Mateo.....	11,099,751	397,617	3.58	4.26
42	Santa Barbara.....	3,061,344	71,748	2.34	1.90
43	Santa Clara.....	14,797,854	728,334	4.92	5.46
44	Santa Cruz.....	1,831,041	48,340	2.64	2.06
45	Shasta.....	2,291,181	92,341	4.03	4.26
46	Sierra.....	127,195	6,807	5.35	-----
47	Siskiyou.....	1,514,923	23,881	1.58	2.08
48	Solano.....	4,391,708	46,864	1.07	1.71
49	Sonoma.....	4,443,781	115,465	2.60	3.15
50	Stanislaus.....	6,448,719	128,631	1.99	1.46
51	Sutter.....	1,330,179	6,559	0.49	1.32
52	Tehama.....	861,036	29,521	3.43	2.32
53	Trinity.....	252,280	18,974	7.52	1.52
54	Tulare.....	6,788,147	85,013	1.25	0.97
55	Tuolumne.....	601,303	14,280	2.37	4.08
56	Ventura.....	4,979,238	173,920	3.49	2.48
57	Yolo.....	1,929,887	59,946	3.11	3.12
58	Yuba.....	1,342,211	10,047	0.75	2.45
	Totals.....	\$404,423,854	\$11,966,633	2.96	2.98

amounts when amounts reserved by law are found inadequate to meet the total of the computed allowances. Thereafter, any remaining balance will be allowed as additional equalization aid to the school districts that were allowed state equalization aid in the Principal Apportionment. The apportionment of these balances will constitute the Final Apportionment.

SPECIAL OPPORTUNITIES FOR SCHOOL PERSONNEL IN CALIFORNIA SUMMER SESSIONS, 1957

The following compilation of special features to be offered in college and university summer sessions in California in 1957 has been prepared from information supplied by institutions authorized by the State Board of Education to recommend candidates for credentials for public school service.

The institutions recording summer sessions this year are arranged in alphabetical order, each with a heading which gives the address of the institution, the dates of its summer term or terms, tuition rates per semester or quarter unit, and the name and title of the director of the session. Under each institution are listed the features to be offered in order of the date of the beginning session or meeting. The material is limited to special or unusual features, intensive short-term conferences, workshops, or institutes. Each offering is briefly characterized and identified by catalog number and other details if available, such as units to be earned, prerequisites, limitations on enrollment, or special fees. In many cases, the name is given of the instructor or other person to whom inquiries are to be directed. Unless otherwise noted, requests for additional details are to be sent in care of the institution.

The paragraph entries are numbered serially in the righthand margin, in bold type. These entry numbers are employed in a subject index that is provided at the end of the compilation for convenient reference by readers seeking information about features in a particular field or subject.

Persons interested in enrolling for summer session study should write promptly to the individual institutions for further information, catalogs, and application blanks.

CALIFORNIA COLLEGE OF ARTS AND CRAFTS

Broadway at College Avenue, Oakland 18, California

Fifty-first Annual Summer Session: June 24 to August 2, 1957

Fees: \$20 per semester unit

D. S. Defenbacher, *President, Director of the Summer Session*

Courses will be offered leading to certificates and degrees in art and art education and to the special secondary credential in art. Each course meets daily except Saturday and yields 2 or 3 semester units of credit.

Classes in creative art for children, 9 to 14, will be conducted daily from 9 until noon through the session. Fee for enrollment of pupils is \$30 to cover cost of materials used. **1**

Religious art will be emphasized with a course in WORLD RELIGIOUS ART HISTORY, 2 units. STUDIO COURSES will have special sections for those wanting to acquire skills in practicing religious art. **2**

A two-day conference on religious art conducted by distinguished speakers will be open to the public. **3**

Inquiries concerning details of the Summer Session may be addressed to the Registrar.

CALIFORNIA STATE POLYTECHNIC COLLEGE, San Luis Obispo

Summer Quarter: Four Weeks Term, June 24 to July 19, 1957

Six Weeks Term, July 22 to August 30, 1957

Fees: \$13 per quarter; special fees for conferences and workshops

Address inquiries to Admissions Officer

June 18 to June 22—ANNUAL SKILLS WEEK (1½ quarter units). A week's training in teaching methods and techniques and in up-to-date agricultural practices relating to animal husbandry, ornamental horticulture, and farm mechanics, offered in co-operation with the Bureau of Agricultural Education. Reservations should be made through H. H. Burlingham. 4

June 24 to June 28—CALIFORNIA AGRICULTURAL TEACHERS ASSOCIATION CONFERENCE (1½ quarter units). A co-operative program of C.A.T.A. with the Bureau of Agricultural Education and the College. Professional material will be presented, under direction of the Bureau of Agricultural Education, by speakers or panels, with motion pictures. Sections on professional improvement will be directed by the California Agricultural Teachers Association. Registration fee: \$1. 5

July 8 to July 12—SCHOOL LUNCH WORKSHOP, with courses in Advanced Menu Planning—Elementary Schools, Nutrition, and Food Purchasing. Enrollment limited. (1½ quarter units credit for each of the courses. Only one course a week may be taken.) Fee: \$7.50. Address inquiries to School Lunch Workshop. 6

July 15 to July 19—SCHOOL LUNCH WORKSHOP, with courses in Beginning Menu Planning, Food Purchasing, and Advanced Menu Planning—Secondary Schools. Enrollment limited. (1½ quarter units credit for each of the courses. Only one course a week may be taken.) Fee: \$7.50. Address inquiries to School Lunch Workshop. 7

August 5 to August 16—Tenth Annual CALIFORNIA WORKSHOP IN PHYSICAL EDUCATION FOR SECONDARY SCHOOL MEN (P.E. 621B, 2 or 4 quarter units). Sponsored in co-operation with the College by the California Association for Health, Physical Education, and Recreation and the State Department of Education, and conducted under direction of a representative state-wide committee. Fee: \$10 or \$20, depending upon the number of units taken. Living accommodations for participants and their families will be available on the college campus. Inquiries may be addressed to the College or to J. B. Haralson, Workshop Director, Kern County Union High School District, Bakersfield, California. 8

August 11 to August 23—Eighth Annual CALIFORNIA WORKSHOP IN PHYSICAL EDUCATION FOR SECONDARY SCHOOL WOMEN (P. E. 621B, two weeks, 4 units), sponsored with the College by the Bureau of Health Education, Physical Education, and Recreation, State Department of Education Theme: "Physical Education—One Facet of Education" Courses in 18 fields of physical education. Fees: Registration \$20, Workshop \$5; \$75 will cover fees and living expenses. For further information address the College or Mrs. Nellie Barber, 400½ First Street, Manhattan Beach, California. 9

CHAPMAN COLLEGE, 333 North Glassell Street, Orange

Summer Sessions: First Session, June 17 to July 19, 1957

Second Session, July 22 to August 23, 1957

Fees: \$18 per semester unit

W. Marshon DePoister and James R. Zug, Associate Directors of Summer Sessions

- July 1 to August 29—EUROPEAN CIVILIZATION: A STUDY TOUR (Hist. 109S, 5 units). A tour of 13 countries, France, Italy, Germany, Holland, Switzerland, Belgium, Denmark, Austria, Yugoslavia, England, Scotland, Ireland, and Sweden. \$1260. Kurt Bergel. **10**
- June 19 to July 2—Seminar, SCHOOLS IN ORANGE COUNTY. EFFECTIVE GROUPING FOR CHILD DEVELOPMENT. 2 credits. Edith Holsinger, Consultant, Elementary Education, Orange County Schools. **11**
- August 5 to August 16—MARRIAGE AND FAMILY LIFE EDUCATION WORKSHOP (Soc. 160). Seminar in connection with Institute of Family Relations. 5287 Sunset Boulevard, Los Angeles. 2 credits. Paul Popenoe and Bernard Oliver. **12**
- August 19 to August 29—NEAR EAST CIVILIZATION AND STUDY TOUR (credits in either History or Religion). Visit Italy, Greece, Egypt, Lebanon, Jordan, Syria, Turkey, France. \$1500. Guy Davis. **13**

CHICO STATE COLLEGE, Chico

Pre-session: June 10 to 14, 1957

Summer Session: June 17 to July 26, 1957

Post Sessions: Redding, July 29 to August 9, 1957

August 12 to 23, 1957

Mt. Shasta, August 12 to 23, 1957

Yreka, July 29 to August 9, 1957

August 19 to 30, 1957

Weaverville, July 29 to August 9, 1957

Chico, July 29 to August 2, 1957

Fees: \$9 per semester unit

Victor M. Houston, Dean of Educational Services and Summer Sessions

- June 10 to June 14—CLINIC IN READING PROBLEMS (Ed. s327ABCD, 1 unit). A clinic for elementary and secondary school teachers, concerned with developmental and corrective reading programs. Ruth Cheverette Simmons, instructor. **14**
- June 10 to June 14—UNIFIED LANGUAGE ARTS PROGRAM (Ed. s333A, 1 unit). Emphasis on the integration of the language arts: listening, speaking, writing, spelling, and language usage. Bernard Belden, instructor. **15**
- June 10 to June 14—WORKSHOP IN SPEECH CORRECTION (Speech s130, 1 unit). Speech and hearing problems of school age children. Methods of diagnosis and therapy for the major types of speech and/or hearing problems. Allan Forbes, instructor. **16**
- June 10 to June 28—MATHEMATICS (Math. s1, 3 units, Intermediate Algebra). Philip Iloff, instructor. **17**
- June 17 to June 28—WORKSHOP IN HOME FURNISHING (H.F.L. s170, 2 units). Techniques in painting, refinishing, wallpapering, slip-covering, upholstering, making draperies, furniture arrangement, and centers of interest. **18**
- June 17 to July 5—WORKSHOP IN BUSINESS EDUCATION (Ed. s154, 1 to 3 units). Opportunities for teachers of business to analyze their problems and plan improved methods of instruction. Guest lecturers and consultants. Two hours daily. Marsdon Sherman, instructor. **19**
- June 17 to July 12—MUSIC WORKSHOP. Qualified students of elementary and high school age are granted tuition-free scholarships upon the recommendation of their music supervisors. Requests for information should be addressed to Joseph M. Wilson. **20**

- June 17 to July 26—**WORKSHOP IN COUNSELING AND GUIDANCE.**
Psych. s156ABCDE, Practicum in Guidance, 2-4 units.
Psych. s256ABCDEF, Internship in Guidance, 2-6 units.
Actual experience needed in preparation for positions in counseling and guidance.
Credit earned is applicable toward the requirements for the California General
Pupil Personnel Services Credential. Barry Fagin and staff. **21**
- June 17 to July 26—**WORKSHOP IN TEACHING THE SOCIAL STUDIES** (Ed. s271, 4 units).
In co-operation with the State Central Committee on Social Studies. Review of
growth characteristics of children and youth, and of work of the State Central
Committee. Preparation of teaching materials. Open to elementary and secondary
teachers. Charles L. Millis, Katherine W. Dresden, Benjamin J. Franklin and
consultants. **22**
- June 17 to July 26—**METHODS AND MATERIALS IN KINDERGARTEN EDUCATION** (Ed. s102,
4 units). Observation of and limited participation in laboratory school kinderg-
garten. Major emphasis on preparation of instructional materials. **23**
- June 17 to July 26—**DEMONSTRATION CLASSES**, Aymer Jay Hamilton Elementary
School. Classes will be maintained to demonstrate methods of teaching in one-
grade and multi-graded situations. **24**
- June 17 to July 26—**DAY RECREATION CAMP**, Bidwell Park, Chico. A day camp
organized for children of elementary school age and for training of teachers
who are interested in camping education. **25**

CLAREMONT SUMMER SESSION, Harper Hall, Claremont

First Term: June 24 to August 2, 1957

Second Term: August 5 to August 30, 1957 (Professional Education
only)

Fees: Registration \$3; tuition, \$18 per semester unit

Luther J. Lee, Jr., Director of the Summer Session

- July 8 to July 12—**Twenty-fifth Annual CLAREMONT COLLEGE READING CONFERENCE**,
sponsored jointly by Pi Lambda Theta and the Summer Session. This year's
theme is: "Reading is Creative Living." The conference sessions are especially
designed for elementary and secondary teachers and administrators. A fee of
\$15 is charged for persons not regularly enrolled in the Summer Session. Twenty-
two yearbooks have been published as outcomes of the conferences. They are
widely used in schools and by persons interested in developing better reading
abilities. **26**
- July 15 to July 18—**YOUTH WELFARE CONFERENCE**. The Claremont Summer Session
will again be host to a workshop on youth problems sponsored by the Governor's
Advisory Committee on Children and Youth, the California Youth Authority, the
California Congress of Parents and Teachers, and other state-wide organizations
concerned with youth welfare. All who work with children and youth will find
the program of interest and value. **27**
- June 24 to July 19—**INSTITUTE OF BIOLOGY FOR HIGH SCHOOL AND JUNIOR COLLEGE
TEACHERS**. Sponsored jointly by the National Science Foundation and the Clare-
mont Summer Session. Morning and afternoon sessions will be devoted to lectures
and discussions by eminent scientists and staff members in four main areas:
physiology, genetics, systematics, and ecology. Emphasis on the latest methods
and findings in the field, together with a consideration of teaching problems.
Limited to 30 teachers and supervisors. For information on admission and financial
aid, write to the Director of the Summer Session. 4 units. Willis E. Pequegnat,
Herbert Drapkin, and Consultants. **28**

June 24 to July 19—**WORKSHOP ON PRE-ENGINEERING IN THE HIGH SCHOOLS.** Designed to help teachers of science and mathematics bring engineering concepts and methods into the high school curriculum. It will feature lecture-discussions, illustrative problems, demonstrations, films, and field trips to engineering laboratories and to a large diversified manufacturing plant. Each day's session, for 20 days, will be from 10:00 to 12:00 and from 1:00 to 3:00. Scholarships provided by business and industrial organizations will be available. Detailed information and application forms for admission and financial aid may be secured by writing to the Director of the Summer Session. 4 units. John Scott Campbell and Consultants. **29**

June 24 to July 5—**WORKSHOP ON NEW IDEAS IN MUSIC FOR CHILDREN.** New materials and practices for teaching music in the elementary schools, with opportunities for participation in singing, dramatizations, rhythmic activities and in playing instruments of various types appropriate to classroom music. Designed for classroom teachers, music specialists, administrators and supervisors. Mornings will be devoted to music activities and discussions, organized according to the needs and desires of participants. Afternoons will provide opportunity to work on individual and small group projects. A music curriculum laboratory will be available for such work. 2 units. 9:00 to 11:50. Beatrice Landeck, Madge E. Kamm, and Mary Val Marsh. **30**

June 24 to July 19—**WORKSHOP ON THE TEACHING OF READING.** Designed to assist classroom teachers, curriculum consultants, and administrators in developing more effective instructional programs in reading. Emphasis is placed on individual concerns in reading. Led by reading specialists, workshop participants may select problems of particular interest for intensive study. The following problems will be considered: self-selection reading programs; the relationship of vision to reading; reading problems and programs in the secondary school; improving reading instruction with basal readers, including remedial reading problems at the elementary school level. The workshop will include attendance at the twenty-fifth annual Claremont Reading Conference, oldest conference in the United States concerned exclusively with the improvement of reading. 4 units. 2:00 to 4:00. Malcolm P. Douglass and Staff. **31**

July 15 to August 2—**WORKSHOP ON SOCIAL STUDIES IN THE PUBLIC SCHOOLS.** With materials developed by social scientists and psychologists as background, the workshop will consider the social studies curriculum from the elementary school through the junior college and make such recommendations for its restructuring as seem pertinent. Co-sponsors are Claremont Graduate School, La Verne College, and the University of California, Riverside, in co-operation with the State Central Committee on Social Studies and the State Department of Education. Formal workshop sessions in the mornings, five days each week, commencing at 9:00, with small group and individual work as needed in the afternoon. Adrian N. Gentry, Arthur R. King, Jr., and Consultants. **32**

July 15 to August 2—**WORKSHOP ON GEOGRAPHY IN THE SOCIAL STUDIES.** A consideration of the relation between geographic methods and principles, their application to the instructional program in the social studies, and ways of improving geographic instruction. Attention will be given to modern methods and materials of instruction with emphasis upon geographic generalizations, concepts and understandings of significance in the social studies program. 3 units. 2:00 to 4:00. Malcolm P. Douglass. **33**

July 8 to August 2—**THE MUSICAL EXPERIENCE OF THE ELEMENTARY SCHOOL STUDENT.** A course complementing material and procedures of Education 134, 234, with further emphasis on the basic experiences; procedures and techniques employed in the elementary schools; surveys of state textbooks and supplementary materials with attention to the correlation of music with social studies; introduction to appropriate recorded music; construction of rhythm instruments. The creative approach toward all musical activities will be emphasized. 4 units. 9:20 to 11:50. Madge E. Kamm. **34**

July 8 to August 2 (four weeks)—**PROBLEMS OF ARITHMETIC.** The seminar gives special consideration to developing effective instruction in arithmetic, treating it as a social development. It includes, but is more than, operational work with numbers. Emphasis is given to understanding ideas of quantity and of quantitative relationship. Students are assisted in constructing teaching materials and in diagnosing the nature of arithmetic difficulties. 4 units. 2:00. Peter L. Spencer. **35**

COLLEGE OF THE PACIFIC, Stockton 4

Intercession: June 10 to June 17, 1957

First Summer Session: June 18 to July 19, 1957

Second Summer Session: July 22 to August 23, 1957

Tuition: \$16.50 per semester unit

J. Marc Jantzen, *Dean of the Summer Sessions*

June 10 to June 17—**BIOLOGY INTERSESSION, PACIFIC MARINE STATION, Dillon Beach** (Zool. M122, Marine Biology, 2 units; Zool. M124, Field Zoology, 2 units). Methods of making field observations and conducting field trips, of collecting, mounting, preserving specimens. Laboratory fee, \$4. Lodging \$8 for nine days, not including blankets and linens. Meals approximately \$10 in student-operated community kitchen. Enrollment limited to 48 students. **36**

June 16 to June 21—**THE FRED WARING CHORAL WORKSHOP** (1 unit) will consist of choral techniques, program building, rehearsal procedures, problems of balance and arrangement, offered by Fred Waring and his radio and television staff. Course fee will be \$33.50 and regular tuition for 1 unit. Address inquiries to J. Russell Bodley, Dean of the School of Music. **37**

June 17 to June 28—**RADIATION MONITORING** is a two-unit two-week course for science teachers listed as Physics S139 dealing with interaction of radiation with matter; radiation detection instruments; health hazards, interpretation and transmission of radiation information. Sessions will meet at the California Disaster Office Headquarters near Sacramento. Applications should be sent to Frank B. Lindsay, Chief of Secondary Education, State Department of Education, Sacramento. **38**

June 18 to June 28—**Fifth Annual FAMILY LIFE EDUCATION WORKSHOP** (2 units). Two weeks of concentration on educating for responsible parenthood and stable family life. Group limited to 45. Admission by application only. Inquiry should be addressed to Fay Goleman, Co-ordinator. **39**

June 18 to July 19, repeated July 22 to August 23—**BIOLOGY BY THE SEA** (6 units each session). The Pacific Marine Station at Dillon Beach offers firsthand opportunities to study the science of life under ideal laboratory and field conditions. Summer schedule planned to meet the needs of elementary, high school, and junior college teachers. For information address Alden E. Noble, Professor of Zoology. **40**

June 18 to July 19—**WORKSHOP FOR ELEMENTARY SCHOOL TEACHERS** (Ed. 136, Kindergarten-Primary, 4 units). For experienced teachers who want new practical ideas and help on school problems. The **KINDERGARTEN-PRIMARY WORKSHOP** will be conducted by Barbara Anthony, Consultant in Primary Education in the Stockton Unified School District. **41**

June 18 to August 23—**CLINICAL SERVICES FOR PUBLIC SCHOOLS**, organized to give both community service as well as student training. Contacts with parents and children are provided in the several clinics for the purpose of getting acquainted with the child's problems and needs. Psychological testing is used as an aid in the evaluative process. The clinical services staff holds weekly meetings in order to discuss procedures for aiding the children and their families. A psychiatrist

is called to the staff conferences as needed. Emphasis is placed upon a multiple clinic approach to the problems of human adjustment. The several clinics offer specialized training at an advanced level to teachers, administrators, and other professional workers. For further information regarding either client service or student training write to Wilhelmina K. Harbert, Chairman of the Clinical Services Committee.

A limited number of elementary and secondary school pupils who have reading disabilities can be accommodated in the READING CLINIC.

THE SPEECH CLINIC will feature an 8-week program for clients who have need for individual or group therapy.

A 5-week session of MUSIC EXPERIENCE will be offered for children both on an individual and group therapy basis. Special attention will be given to individuals with physical limitations such as the blind, partially sighted, hard of hearing, and cerebral palsied, and those with speech limitations. **42**

June 18 to June 28—WORKSHOP ON TEACHING TECHNIQUES IN CHILD CARE (2 units) is designed for junior and senior high school homemaking teachers to aid them in planning and executing the child care work taught in homemaking. Director of the workshop will be Dorothea Wyman, Phoenix Union High Schools and Phoenix College System, Arizona. **43**

June 18 to July 19—WORKSHOP IN THE UNDERSTANDING OF BUSINESS AND INDUSTRY (6 units) is designed to orient teachers on the foundation and characteristics of American businesses and industries. The first and last weeks will be conducted on a seminar basis with outstanding business leaders as guest speakers and resource personnel. The participating teachers will be assigned to a co-operating business organization during the second through fourth weeks in order to observe at first hand the operations of the company. Donald S. Bibbero, Associate Professor of Business Administration, will be director. A limited number of scholarships is available. **44**

June 18 to July 19—LABORATORY EXPERIENCE IN ELEMENTARY EDUCATION (4 units) will include theory and observation. The college in co-operation with the Stockton Unified School District will operate an elementary school consisting of a second grade and fifth grade in the Madison School Building. This program is designed to be of assistance to new teachers on provisional credentials. Since the number who can be accommodated is limited, preference will be given in the order that applications are received. This laboratory experience will be given as Education S151 and will be under the direction of William F. McClin-tock, Co-ordinator of Elementary Education, Stockton Unified School District. **45**

June 23 to August 11—WORKSHOP IN THEATRE (Speech S160, S260, 6 units). Theatre training, technical and acting experience, and practice in various phases of theatre arts for the seventh season of public performances by the co-operative repertory Pacific Theatre Columbia Company. Conducted at historic Fallon House Theatre in Columbia State Park, revived "ghost town" of the Mother Lode. Housing and meals in dormitory style at Columbia. For complete prospectus and full information address DeMarcus Brown, executive director, Pacific Theatre Columbia Company. **46**

June 24 to July 12—WORKSHOP IN SOCIAL STUDIES CURRICULUM (3 units) will be an intensive, critical study of what is taught in social studies, kindergarten through fourteenth grade. The workshop is co-sponsored with the State Central Committee on Social Studies. Offered as Education S260d. Edwin Ingles, Dean of Instruction of the Modesto Junior College, and Lloyd H. King, C.O.P. staff, are co-directors. **47**

July 1 to July 12—WORKSHOP IN FIELD OBSERVATION AND STUDY OF DELINQUENCY (2 units) is sponsored jointly by C.O.P. and Deuel Vocational Institution, a unit of the California Department of Corrections. Emphasis will be upon gaining increased awareness of criminaloid personalities, development of awareness of the multiplicity of causes of delinquent behavior, and providing for discussion of how classroom teachers and school administrators can deal effectively with

incipient delinquency. Admission by application only. The workshop will be held at the Deuel Vocational Institution near Tracy. Co-directors will be George S. Ingebo and Samuel F. Murray. **48**

July 29 to August 10—Tenth Annual FOLK DANCE CAMP (1 unit each week). Introductory and advanced instruction in two consecutive sessions of six full days each, with an international staff of 30 leaders and specialists. A graduate seminar will be offered for teachers. Regular tuition is charged and a fee of \$13.50 per unit. For information address Lawton Harris, Dance Camp Director. **49**

DOMINICAN COLLEGE OF SAN RAFAEL, San Rafael

Summer Session: June 24 to August 2, 1957

Fees: 2 units, \$25; 4 units, \$40; 6 units, \$50

Sister M. Richard, *Director of the Summer Session*

Ann O'Hanlon, *Director of Art Workshop*

June 24 to August 2—ART WORKSHOP (Art 123; 2 units). Emphasis on the art experience as an integrated part of the elementary or secondary school. Both credential requirements are satisfied by the course. Visual training as well as technique is stressed. Field trips to museums. **50**

FRESNO STATE COLLEGE, Fresno

Fresno Campus Session: June 17 to July 26, 1957

Fresno Post Session: July 29 to August 30, 1957

Bakersfield Session: June 17 to July 26, 1957

Visalia Pre-Session: July 22 to July 26, 1957

Visalia Sessions: July 27 to August 30, 1957

Fees: \$9 per semester unit

Edward M. Spencer, *Dean of Educational Services and Summer Session*

WORKSHOPS FOR ELEMENTARY TEACHERS will be offered at various San Joaquin Valley points under the sponsorship of city and/or county school systems just prior to the opening of the fall semester, to give assistance to teachers with classroom curriculum problems. Students may write to Dean Edward M. Spencer for further information. **51**

June 17 to July 12 (four weeks)—FIELD STUDY IN MEXICO (Span. 55a-b, Hist. 166, 2 units each). Intensive study of local language, literature, and history in Mexico. Expenses estimated roughly at \$435. For further information, address Carlos Rojas, Chairman, Foreign Language Department. **52**

June 13 to August 30—U. S. STUDY TOUR (Geography 180, 6 units). Chester F. Cole will conduct tour to New England via southern states, Washington, D. C., and New York, returning to Fresno through northern states in air-conditioned Greyhound bus. The 12-week tour includes travel across the United States and return, plus an opportunity to attend the University of Vermont Summer Session. Participants enroll in 6 units of work in Geography 180, and may enroll in an additional 6 units of work at the University of Vermont, making a total of 12 units of work possible. The work at the University of Vermont need not be in geography. For further information write to Chester F. Cole, Associate Professor of Geography. **53**

June 17 to July 26—BUSINESS INTERNSHIP FOR TEACHERS AND COUNSELORS (Bus. 295s, 6 units). Offered both at Fresno and Bakersfield. To enable counselors and teachers of all subjects to understand the conditions under which students work in business and industry. Those enrolled will undertake full-time employment at regular rates of compensation. Requests for further information may be addressed to McKee Fisk. **54**

June 17 to July 26—JUVENILE DELINQUENCY AND YOUTH PROBLEMS (Criminology 123, 2 units). A workshop covering the deviant behavior of youth, with focus on the school child. Conducted by the Fresno State College Department of Criminology and the California Youth Authority, in co-operation with school administrators, public welfare agencies, county probation officers, law enforcement agencies, and other interested groups in the San Joaquin Valley. Attention to causation, early discovery, treatment, and community resources as related to delinquency and youth problems. Further information may be secured by addressing Frank Boelsen. **55**

June 17 to July 26—OFFICE SKILLS FOR TEACHERS (Bus. Ed. 117, 2 units). Preparation of nonbusiness teachers in the use of various types of duplicating machines and other office equipment. Includes drawing and duplicating of pictures, and methods of filing instructional materials. **56**

July 17 to July 26—WORKSHOP FOR KINDERGARTEN TEACHERS (Ed. 177s, 4 units). For experienced teachers, includes guided observation of children, demonstration lessons, study of materials and procedures used in planning experiences in social studies, language arts, music, etc. Will be offered at the Bakersfield Summer Session in daily class sessions. Special individual and co-operative projects for study will be determined by the need and interest of each workshop member. Enrollment in the workshop will be limited to selected participants. Dorothy Weart Ridgeway will conduct the workshop. For further information write to Edward M. Spencer, Dean of Summer Session. **57**

June 17 to July 26—SPEECH THERAPY, VOICE SCIENCE WORKSHOP (Sp. 21, 3 units; Sp. 150, 151, 153, 2 units each). Concentration upon speech for teachers and methods of correcting the speech defects of children. Theory, observation, practice. Speech 21, for teachers, may serve as a general education requirement for all degrees. Qualified students may register for the 2-unit courses, all of which are required for the Special Credential in Speech Correction. Requests for further information may be addressed to John W. Wright. **58**

July 29 to August 9 (two weeks)—ALCOHOL AND NARCOTICS EDUCATION WORKSHOP (Health Ed. 110, 2 units). Problems of alcohol and narcotics education approached in an unemotional, unbiased, factual manner. Consideration of scientific data on the effects of overuse of alcohol and narcotics by adolescents and adults, gathered from evidence contributed by chemists, psychiatrists, health authorities and welfare workers. For further information address Henry F. Fricker. **59**

August 26 to August 30 (one week)—WORKSHOP ON THE SUPERVISION OF STUDENT TEACHING (Ed. 285s, 1 unit). For elementary and secondary teachers who supervise or plan to supervise student teachers. Further information may be secured from Stephen V. Ballou. **60**

July 29 to August 2—ADVANCED DRIVER EDUCATION AND TRAINING (Health Ed. 172s, 1 unit). Amos E. Neyhart, Educational Consultant for the American Automobile Association will conduct an advanced workshop in driver training through the sponsorship of the American Automobile Association and the California State Automobile Association. For further information, write to Henry F. Fricker. **61**

August 26 to August 30—ADVANCED DRIVER EDUCATION WORKSHOP (Health Ed. 173s, 1 unit). Marland K. Strasser, Field Representative for the Association of Casualty and Surety Companies, San Francisco, will conduct the advanced workshop in driver education. For further information, write to Henry F. Fricker. **62**

July 29 to August 2 (9 a.m. to 12 m.) and August 5 to August 9 (2 p.m. to 5 p.m.)—SUPERVISORY AND HUMAN RELATIONS FOR NURSES (Health Ed. 175s, 1 unit). Designed to give insight into opportunities to acquire good, on-the-job human relations and supervision techniques. Hildegard E. Peplau, R.N., Chairman of the Advanced Program of Psychiatric Nursing at Rutgers University, will conduct both workshops. For further information, write to Henry F. Fricker. **63**

August 12 to August 23—WORKSHOP FOR TEACHERS OF TYPEWRITING (Business 289e, 2 units). Improvement of instruction in typewriting, both beginning and advanced, will be the purpose of the workshop. Directed by T. James Crawford, Associate Professor of Business Education at Indiana University, the workshop will include demonstration, practice and discussion, as well as opportunity for research and development of specialized remedial materials. For further information, contact McKee Fisk. **64**

July 22 to July 26—WORKSHOPS OFFERED IN THE VISALIA PRE-SESSION (Ed. 178, 1 unit).

Workshop in Elementary Education—Arithmetic (College of the Sequoias, Visalia)

Workshop in Elementary Education—Kindergarten (Sierra Vista School, Visalia)

Workshop in Elementary Education—Music (College of the Sequoias)

Workshop in Elementary Education—Penmanship (College of the Sequoias)

Workshop in Elementary Education—Spelling (College of the Sequoias)

Students may enroll in only one of these workshops. **65**

HUMBOLDT STATE COLLEGE, Arcata

Regular Session: June 17 to July 26, 1957

Post Session: July 29 to August 23, 1957

Fees: \$9 per semester unit

Ivan C. Milhous, *Dean of Extended Services*

June 17 to July 26—WORKSHOP IN DRAMA AND INTERPRETATION (Sp. 126 and Sp. 102, 2 units each). Concentrated work in dramatic production and oral interpretation, leading to presentation of a play. **66**

June 17 to July 12—WORKSHOP IN SOCIAL STUDIES CURRICULUM (Educ. 234, 4 units). A graduate level workshop in the content, materials and concepts of the social studies curriculum for both elementary and secondary schools conducted in co-operation with the State Central Committee on Social Studies. Limited enrollment. Apply before May 15. **67**

July 15 to July 26—WORKSHOP IN CONSERVATION EDUCATION (Educ. 150, 2 units). Emphasis on background of conservation information for use by classroom teachers. Field trips, demonstrations, lectures by resource experts, and preparation of classroom materials included. Conducted with the assistance of the State Department of Natural Resources and the Redwood Region Conservation Council. Enrollment limited. Apply before May 15. **68**

July 28 to August 9—WORKSHOP FOR SCHOOL LUNCH PERSONNEL

July 28 to August 3—WORKSHOP IN NUTRITION (H. Ec. 25, 1 unit).

July 28 to August 9—WORKSHOP IN FOOD PREPARATION (H. Ec. 29, 2 units).

August 4 to August 9—WORKSHOP IN FOOD PURCHASING (H. Ec. 28, 1 unit).

Each workshop will provide a concentrated schedule of lectures, demonstrations, and activities to increase the competence of school lunch workers. Conducted in co-operation with the State School Lunch Program. Enrollment limited. Apply before May 15. **69**

July 29 to August 23—SPECIAL WORKSHOP IN CURRICULUM AND METHODS (2 units each). Offerings include methods in elementary science, reading, and social studies; elementary curriculum; secondary methods; and arts and crafts. **70**

IDYLLWILD SCHOOL OF CONSERVATION AND NATURAL SCIENCE

Idyllwild, Riverside County, California

Summer Session: June 17 to August 10

Donald D. Shipley, Long Beach State College, *Director*

June 17 to August 10—IDYLLWILD SCHOOL OF CONSERVATION AND NATURAL SCIENCE (1 to 2 units). A program in conservation education, outdoor education and field biology, of particular interest to teachers at all levels and to workers in youth organizations and camp work. The conservation workshop and field natural history courses will carry laboratory and upper division credit. The fee for each of these courses will be \$9 per unit for tuition and a \$1 student fee, plus a campus fee of \$8.50 to be paid to the Idyllwild Arts Foundation. A 50-cent-per-week insurance fee is also charged. A number of scholarships are available. Information can be secured from the Director, Donald D. Shipley, Division of Natural Science, Long Beach State College, Long Beach. **71**

June 24 to July 5—CONSERVATION WORKSHOP (Conservation 160) A course dealing with the wise use of natural resources—soil, water, forests and other vegetation, wildlife, recreational areas and conservation materials. Field trips include a study of fire lookouts, saw mills, soil demonstration areas, wildlife management areas, water-shed protection and forest management. These experiences can be carried back into the classroom to enrich all areas of study. Visiting natural resource specialists participate in the program. Donald D. Shipley and Charles Burch. **72**

July 8 to July 19—FIELD NATURAL HISTORY (Nature Study 151). An outdoor summer field course devoted to the study of the natural history of specific areas. Open to students who have completed a conservation workshop or who have an adequate background in natural history. Shipley and Burch. **73**

June 17 to June 22 and August 5 to August 10—WILDERNESS WORKSHOP (Conservation 163). A week of camping in the wilderness area of the San Jacinto Mountains above Idyllwild; exploring and studying the primitive area, and participating in conservation projects. Further details will be furnished those requesting this experience. Accommodations are limited, so reservations should be made early. Donald D. Shipley, Charles Burch, and Ernest Maxwell. **74**

July 22 to July 26—OUTDOOR EDUCATION LEADERSHIP (Conservation 164). Designed for outdoor school personnel and elementary teachers involved with or expecting to be involved with the outdoor education program. Camp organization and curriculum, outdoor teaching techniques, pre-camp, in-camp, and post-camp activities, role of the classroom teacher; field trips, teaching demonstrations, contributions from resource specialists. W. Jane Westenberg and Staff. **75**

LA VERNE COLLEGE, La Verne, California

First Summer Session: June 24 to August 2, 1957

Second Summer Session: August 3 to August 23, 1957

Fee: \$17 per semester unit

Dean Herbert Hogan, *Director of Summer Session*

July 15 to July 26—SEMINAR IN RACE RELATIONS (S160, 2 weeks, 1 or 2 units). An intensive workshop study of the forces at work in race and ethnic problems of the community. It is designed to give capable students, church and civic leaders an opportunity of a practical nature under expert leadership. There will be special field trips and outside speakers. Auditors' fees, \$3. **76**

LONG BEACH STATE COLLEGE

6101 East Seventh Street, Long Beach 4, California

Six Weeks Session: June 24 to August 2, 1957

Four Weeks Session: August 5 to August 30, 1957

Fees: \$9 per semester unit

J. Wesley Bratton, *Dean of Summer Session*

June 26 and June 27—ELEMENTARY ADMINISTRATORS WORKSHOP. The fourth annual Elementary School Administrators Workshop, sponsored by Long Beach State

College, will be held on the campus this summer. The theme will be "The School Administrator Looks to the Future." Problems related to the topic will be presented by outstanding speakers, followed by discussion in small groups. Details concerning the workshop will be available in the near future. For additional information write to Willard H. Van Dyke, Division of Education and Psychology. 77

August 20, 21 and 22—SECONDARY SCHOOL ADMINISTRATORS WORKSHOP. The California Association of Secondary School Administrators and Long Beach State College will jointly sponsor the fifth annual workshop for secondary school administrators. The theme will be "The Forward Look in Secondary School Administration." Problems will be discussed under a number of headings such as "Co-ordinating Leadership—State and Local—for an Effective School Program," "What is Democratic Leadership?," "Breaking the Lock-Step in Subject and Instructional Patterns," and "The Place of the Evaluation Instrument in Our Plant." Outstanding specialists will present various phases of other problems and will participate in the group discussion. For additional information, write to Willard H. Van Dyke, Division of Education and Psychology. 78

July 6—ART CONFERENCE AND FILM FESTIVAL. The sixth annual conference and festival of films for art education will be held this year on Saturday, July 6, in the new Art Building on the Long Beach State College campus. This program is sponsored by the college every summer in co-operation with the film departments of the Long Beach Public Library, the Los Angeles Public Library, the Los Angeles County Superintendent of Schools, and the Los Angeles County Museum. The film festival provides an opportunity to view the latest releases of art and documentary films. These films are directly related to the art program in elementary, secondary, and college education and to the art expressions of man in both past and present times. 79

June 24 to August 2—ART CLASS FOR CHILDREN. This summer the Art Department is sponsoring an art class for children on campus in the Art Building. The class will be held daily, 10 to 11, and will be open to children between eight and eleven years of age. In conjunction with this children's class, an art activity class has been scheduled at the same time for summer session students. The purposes of the art activity class will be to provide opportunities for experienced teachers and teachers in training to observe children in an art class and to discuss and evaluate the on-going experiences which the children are having in relation to their own particular classroom situations in the public schools. Arrangements for enrollment of children in the children's art class should be made through the Art Department office as far in advance as possible as only a limited number of children can be accepted. 80

August 5 to August 30—AVIATION EDUCATION WORKSHOP. Teachers, counselors, and administrators of elementary schools, secondary schools and junior colleges will become acquainted with the way aviation is being used to motivate learning in all curricular areas with available instructional materials and aviation facilities; will become acquainted with those current problems of aviation that have implications for public school curricula; will prepare plans for instruction and construct a wide variety of instructional aids appropriate to each person's particular needs. The workshop is planned for experienced teachers, but persons with student teaching experience may enroll. The program will be conducted on the College campus with visits to civil and military installations. For information, write to Charles H. Tilden, Director, Aviation Education Workshop. 81

June 24 to August 2—BUSINESS EDUCATION WORKSHOP (1 to 6 units). Four courses which emphasize new and improved methods of teaching business subjects will be offered at two-week intervals: Education 164, Teaching Methods in Book-keeping and General Business; Education 174, Methods of Teaching Typewriting; Education 176, Methods of Teaching Office Practice and Business Machines; Education 177, Methods of Teaching Secretarial Subjects. Ruth I. Anderson, Dean of the Institute for Certifying Public Secretaries, and author of articles on the teaching of secretarial subjects will teach Education 177. For additional information, write to Edna H. Barbour, Division of Social Science. 82

June 24 to July 12—**CHILD DEVELOPMENT TECHNIQUES** (3 units). A practical course for the classroom teacher who wishes to learn how to use actual observation of a group of children in teaching a unit on child development or child care and guidance. First week: teachers will study preschool playgroup theory and practice and prepare environment. Second week: a group of 15 to 18 preschool children from the area will meet on campus in an improvised setting, with fundamental indoor and outdoor equipment provided. Teachers will carry on the program, observe children and parents, put away equipment, evaluate and prepare for the following day. Third week: teachers will plan courses of study, become acquainted with literature, increase knowledge of techniques and prepare a report on "How to Plan a Preschool Play Group Experience for Your High School Class." For further information write to Mildred Morgenroth, Home Economics, Long Beach State College. **83**

June 24 to August 2—**CO-OPERATIVE COUNSELOR TRAINING** (6 units). An opportunity for school counselors, guidance workers, and teachers to actually participate in an industry for the six-week period of the summer session. Each enrollee is employed as a regular employee and usually works at a variety of jobs found in the co-operating agencies for 40 hours per week at wages paid for entry level job, similar to those in which our high school and junior college students will be employed when entering business and industry. A seminar will be held two evenings per week on campus during which time problems of mutual concern will be discussed and evaluated. For additional information, write to Gordon Warner, Division of Education. **84**

August 5 to August 16 (Session 1) and August 19 to August 30 (Session 2)—**ELEMENTARY SCHOOL SCIENCE WORKSHOP** (2 units). Prerequisite: six units of science. A course designed to prepare elementary teachers to carry on a science activity program in grades one through eight. This course carries laboratory credit, but is not open to science majors. A special feature of the workshop will be the joint teaching of the course by an industrial arts instructor, Floyd Grainge, and a science instructor, Robert P. Durbin. Students will have the use of a completely equipped shop and the assistance of the industrial arts instructor in the construction phase of the science projects. The science instructor will assist the students in the selection and use of science projects. The enrollment will be limited in each of the two sessions, and preference will be given to those who make reservations by writing to Robert P. Durbin, Division of Natural Science. **85**

June 24 to August 2—**FAMILY LIFE EDUCATION** (3 units). A workshop type of course of particular value to elementary teachers, homemaking teachers, social studies teachers, counselors, community education leaders, parent educators, and religious leaders. Method and content in family life education; audio-visual aids; group work; independent study and organization of teaching materials. A number of southern California leaders in family life education will discuss the highlights of their current programs. For additional information, write Zelpha Bates, Division of Arts and Languages. **86**

August 5 to August 23—**HOME FURNISHINGS WORKSHOP** (3 units). Planned primarily for homemaking teachers and for the Special Secondary Credential in Homemaking Education. Content is designed to help develop the kinds of projects in the home furnishings area useful in homemaking programs at the secondary level. Resource personnel will assist in conducting complete afternoon laboratories. Short-cut techniques and simple skills needed for such "do-it-yourself" activities as applying new surface finishes and making home repairs will be emphasized. Selection and buying of home furnishings will be included in course content. Education and other department majors may earn three units of elective credit in the workshop. For additional information, write Zelpha Bates, Division of Arts and Languages. **87**

August 5 to August 23—**GUIDANCE WORKSHOP** (3 units). This course was developed from the needs of experienced guidance workers for current guidance methods, techniques and procedures. A series of lectures is accompanied by workshop sessions for elementary school guidance workers on one hand, and secondary

school and college workers on the other. Recognized leaders in psychological service areas will present lectures on the case problems considered by the workshop participants. Blanche B. Paulson, Director, Bureau of Counseling Service, Chicago Public Schools and currently President of the National Vocational Guidance Association; and Dale B. Harris, Director of the Institute on Child Welfare, University of Minnesota, have been selected to present seven of the fourteen lectures to be given during the three week period. Co-ordinators for the workshop group and remaining lectures will primarily be selected from among leading guidance workers in the Southern California area and the Bureau of Guidance of the State Department of Education. For further information write to Earl T. Zwetschke, Personnel Center. **88**

June 24 to August 2—WORKSHOP IN EDUCATION OF MENTALLY RETARDED CHILDREN (6 units). The workshop is planned to give students some working relationships with mentally retarded children as well as to give them background information and experience in developing desirable curriculum materials. It will be an intensive full-day course. The workshop will be organized so that the initial phase will be devoted to three areas: (1) characteristics and needs of mentally retarded children; (2) differentiation of needs and educational plans for varying degrees of retardation; (3) curriculum planning. The second phase will be centered upon the student's application of knowledge and use of materials in working with mentally retarded children individually and in small groups. The children will be of differing degrees of retardation. For additional information, write to Ruth A. Martinson, Division of Education. **89**

June 24 to August 2—ORCHESTRA WORKSHOP. The Summer Session Orchestra will continue a program of study of orchestral literature and public performance in the Little Theater on the campus. The orchestra will afford an opportunity for all students to renew performance skills in an atmosphere conducive to satisfying achievement. The Summer Session Orchestra will present a public concert on July 3. For additional information, write to Bertram McGarrity, Division of Arts and Languages. **90**

June 24 to August 16—REMEDIAL READING CLINIC (8 units). An eight-week clinical practicum in methods of reading diagnosis and remedial instruction. This course is designed to assist the classroom teacher, the elementary administrator, junior and senior high school teachers interested in reading, people preparing for pupil personnel credentials, and the reading specialist, in understanding the elementary school child's reading problems. The course will include demonstration and instruction in: (1) diagnosis and treatment of reading problems; (2) methods, techniques, and materials; (3) applying the preceding principles in individual and group instruction. Instruction will be individualized and at a graduate level, with actual practice in working with pupils of public school age who are experiencing difficulty or a handicap in reading. A complete summer's work will be organized around the problems of reading diagnosis and remediation. Opportunity will be given to work with individual pupils and with groups of pupils. For additional information, write to Leo Phearman, Division of Education. **91**

June 24 to August 2—WORKSHOP IN SOCIAL STUDIES CURRICULUM (6 units). Long Beach State College is co-operating with the State Department of Education and with the State Central Committee on Social Studies in conducting a workshop to consider the work of the State Central Committee to date. The purpose of the workshop will be three-fold: (1) to consider the following materials prepared by the Committee—basic concepts of the social sciences as outlined by social scientists in California, characteristics of pupil growth and development at all grade levels, and principles of learning; (2) to acquire the basic information necessary to implement a social studies framework that will be prepared by the State Central Committee; and (3) to shape a preliminary design for the social studies, kindergarten through junior college. For further information write to John E. Searles, Division of Social Science. **92**

June 24 to August 2—SPEECH THERAPY WORKSHOP (6 units). Designed to provide training for both the classroom teacher and the student preparing for the Special Credential in Speech Correction and Lip-reading. A selected group of children

between the ages of five and twelve will be accepted in the workshop for speech therapy. A complete morning's program will be integrated for these children, including individual and group speech therapy, psychological testing, play therapy, creative dramatics, recreation, and arts and crafts. Parent counseling will be an important part of the program. For college students, work will be available at three levels: (1) those who have had no previous experience in speech therapy, (2) those desiring specialized course work leading to the special credential, and (3) those students who are ready to take student teaching in speech correction. Students planning to enroll in student teaching should make application for admittance well in advance. Any part of the workshop is available separately for those unable to enroll for the six-unit program. For additional information, write to Ned Bowler, Division of Arts and Languages. Parents desiring to enroll children are urged to apply early. 93

June 24 to August 2—SUMMER THEATER WORKSHOP. The Summer Theater Workshop makes it possible to earn from one to seven units of college credit in courses that cover all phases of the theater—acting, directing, stagecraft, lighting, and make-up. Individual courses may be taken separately, but upper division students are urged to enroll for the sequence of six integrated units wherever possible. The purpose of the workshop is to present in a compact and functional way the essential skills of the theater with particular reference to in-service training for secondary school teachers who may be called upon to direct a play. A public production will be given on July 25, 26 and 27 in which all of the crew responsibilities will be handled by members of the workshop. Upper division students desiring the integrated six unit sequence should enroll for School Dramatics, Stagecraft, and Stage Make-up. A more advanced course for students with previous experience in play production is Stage Lighting. In addition to the foregoing six units, students selected for the cast of the play may earn one additional unit of Drama Activity credit. A lower division student may enroll for a maximum of four integrated units of theater. Casting for the play will be open by try-outs to all summer session students, who need not be enrolled in the Summer Theater Workshop to take part. For additional information, write to W. David Sievers, Division of Arts and Languages. 94

June 10 to July 31—FIELD STUDY OF UNITED STATES HISTORY AND GOVERNMENT (6 units). Orientation and Registration—nights of June 10 and June 12. A 10,000-mile coast-to-coast tour of famous cities, battlefields, forts, buildings, memorials, and government projects. A study of the United Nations Organizations in New York. Includes a complete and detailed study of each branch of our national government; the state government of California; the city governments of Washington, D. C., New York City and Long Beach; and visits to the New York Stock Exchange, business firms, factories, large-scale farms, and sites of recent developments in the field of automation. The course will also include student reports and lectures and meetings with government officials. Places of historical importance will be visited—Philadelphia, New York, Boston, and many others on the return trip. For additional information, write to Ross A. Sciarrotta, Instructor and Tour Director, Long Beach State College. 95

June 24 to August 22—FIELD STUDY OF CENTRAL AMERICA (6 units). A summer workshop tour to Central America and the Caribbean will travel by air to Cuba, Panama, Costa Rica, Nicaragua, Honduras, El Salvador and Guatemala. The purpose of the tour will be to study Latin American culture and to understand current conditions and problems. There will be trips to all places of major interest; visits to schools and universities; interviews with prominent government officials, educators and businessmen; and informal lectures by the director. Travel will be by international airlines except for local trips involving auto, bus, ship and railroad. Hotel accommodations will be first class. Cost of the trip will be computed on a nonprofit, co-operative basis. Early arrangements are most important. For further information write to Ryland R. Madison, Division of Social Science. 96

June 20 to August 12 and June 22 to August 8—FIELD STUDY OF MIDDLE EUROPE (6 units). For the second consecutive year, the field study of Middle Europe

has been arranged as an educational and cultural opportunity for the graduate and undergraduate students of Long Beach State College and for others who are interested in Europe. Individuals may leave from Long Beach by ship or from New York by air. Extensions to Ireland, Scandinavia and the U.S.S.R. are available. Plans have been made to visit London, Stratford, Paris, Nice, Pisa, Rome, Capri, Florence, Venice, Geneva, Montreux, Lucerne, Heidelberg, Wiesbaden, Cologne, Brussels and Amsterdam. The tour has been carefully planned to enable the members to meet educators and other prominent individuals of the various countries as well as to see and discuss the many places of interest. Past experience has clearly indicated the value of observing at first hand the educational, political, and economic conditions of each of the countries visited as well as to enjoy the cultural advantages offered. For additional information write Wallace H. Moore, Division of Education, or Irving Ahlquist, Division of Social Science.

97

June 30 to August 29—FIELD STUDY OF AFRICA (6 units). This study tour of 61 days is designed to give, within the limits of the time allowed, as comprehensive a survey as possible of the world's second largest continent. The itinerary includes Egypt, Ethiopia, Kenya, Zanzibar, Tanganyika; 18 days in South Africa including Johannesburg, Cape Town, Durban, and Kruger National Park; Portuguese East Africa, Victoria Falls, Belgian Congo and Elizabeth National Park. For additional information write to Leroy Hardy, Division of Social Science.

98

August 4 to August 30—FIELD STUDY OF MEXICO (4 units). The tour will begin in Tijuana, proceed by air to Guadalajara, thence by air-conditioned bus to Morelia, Guanajuato, San Miguel, Allende, Patzcuaro, San Jose Purua, Puebla, Oaxaco, Mexico City, Cuernavaca, Taxco, and Acapulco, to name the principal points. The tour will include trips to schools, museums, churches, archeological zones, and public buildings of historical or current interest. Lectures and demonstrations will be provided by staff members of local universities. The tour will end with a flight from Acapulco to Tijuana. The tour will be under the direction of Oliver P. Johnstone, a regular staff member, for the third consecutive year. Interested persons should make reservations with Mr. Johnstone as soon as possible, as the enrollment is limited.

99

August 5 to September 13—FIELD STUDY OF SOUTH AMERICA (6 units). A post session summer workshop tour to South America will travel by air to Guatemala, Panama, Colombia, Ecuador, Peru, Chile, Argentina, Uruguay and Brazil. The purpose of the tour will be to study South American culture and to understand current conditions and problems. There will be trips to all places of interest, interviews with prominent government officials, educators and businessmen, and informal lectures by the director. Travel will be by international airlines except for local trips involving auto, bus, ship and railroad. Hotel accommodations will be first class. Cost of the trip will be computed on a nonprofit co-operative basis. As enrollment is limited, early arrangements are most important. For further information write to Ryland R. Madison, Division of Social Science.

100

July 11 to September 6—FIELD STUDY IN THE MUSIC ARTS (6 units). A field study tour of six weeks in Europe. The cultural riches of England, Norway, Sweden, Denmark, Germany, Austria, Switzerland, Italy, and France are available to the student. Departure will be on the "Arosa Sun" from Quebec July 11, returning September 6 from Le Havre. The general purpose of the tour is to develop additional insights into the cultures of different peoples through attention to their artistic productivity. An awareness of the relationships between the political and sociological complexions is heightened. How these relate to their artistic interest and contribute to educational growth are noted. Concerts, plays and dinner meetings with important leaders of the regions visited are included. Informal lectures by the director will be offered to make the tour experience more vital and enjoyable. Early arrangements are most important. For detailed information, write to Russel Squire, Department of Music.

101

June 17 to August 10—IDYLLWILD SCHOOL OF CONSERVATION AND NATURAL SCIENCE. See Pages 217-18, Items 71 to 75.

LOS ANGELES STATE COLLEGE OF APPLIED ARTS AND SCIENCES

San Bernardino Freeway and Eastern Avenue, Los Angeles

855 North Vermont Avenue, Los Angeles 29, and

Nordhoff Street and Lindley Avenue, Northridge

Summer Session: June 24 to August 2, 1957

Fee: \$9 per semester unit

Address all inquiries to John A. Morton, *Dean of Educational Services and Director of Summer Session*, 855 North Vermont Avenue, Los Angeles 29, California

June 24 to July 12 (three weeks)—PACIFIC COAST WRITER'S CONFERENCE (L.A. S106E, 3 units). Lectures and consultation sessions on the novel, short story, and television writing, conducted by the Language Arts Division, Wirt Williams, Novelist-in-Residence, and a featured group of major writers in these and other media. Daily 1 to 4. **102**

June 24 to August 2—SPEECH PROBLEMS OF CEREBRAL PALSID (Speech S137, 3 units). Offered in co-operation with School for Cerebral Palsy, Southern California, Altadena. T.Th. 8:30 to 11, plus laboratory. **103**

June 24 to August 2—WORKSHOP IN KINDERGARTEN-PRIMARY EDUCATION (Educ. S105, 6 units). A practicum in kindergarten-primary education. Satisfies the requirement for the kindergarten-primary credential. Daily 7:30 to 10:30 or 10:30 to 1:30. **104**

June 24 to August 2—WORKSHOP: DIAGNOSIS AND REMEDIAL READING PROCEDURES (Educ. S135, 6 units). The causes and nature of reading difficulties and the procedures for diagnosis and remedial treatment. Daily, 8:30 to 11:30. **105**

June 24 to August 2—WORKSHOP ON EDUCATION OF RETARDED YOUTH IN ELEMENTARY SCHOOLS (Educ. 167MR, 3 units or Art 150, 2 units). Satisfies minimum credential requirements. Daily, 10 to 12 and 12:30 to 2:30. **106**

June 24 to August 2—WORKSHOP ON EDUCATION OF RETARDED YOUTH IN SECONDARY SCHOOLS (Educ. 167MR, 3 units or Art S150, 3 units). Meets minimum credential requirements. At Stevenson Junior High School in co-operation with Los Angeles Public Schools, Secondary Division. Daily, 8 to 10 and 10:30 to 12:30. **107**

August 5 to August 16—WORKSHOP IN AIR EDUCATION (Educ. S176D, 3 units). A project co-sponsored with the State Department of Education, held at points of civil and military aviation interest. Conducted at Los Alamitos Naval Air Station and Vermont Campus. Daily, 9:30 to 3. **108**

July 1 to July 26—WORKSHOP: METHODS OF TEACHING MATHEMATICS IN SECONDARY SCHOOLS (Educ. S193MA, 4 units). Development of materials useful to the experienced and the beginning teacher. Satisfies the method requirement in the secondary credential. Daily, 8 to 12. **109**

June 24 to August 2—WORKSHOP ON EDUCATION OF GIFTED CHILDREN (Educ. S197, 2 units). Study of problems and current practices in the education of the gifted. T.Th. 7 to 9:30 p.m. **110**

June 24 to August 2—WORKSHOP: SOCIAL STUDIES IN THE PUBLIC SCHOOL (Educ. S211B, 6 units). A workshop to develop a program for the social studies, kindergarten through high school, using the concepts developed by the State Central Committee on Social Studies. Daily, 9 to 3. **111**

June 24 to August 2—WORKSHOP: ADOLESCENT AND CONTEMPORARY LIFE (Educ. S244, 6 units). The social development of young people, with implications for teaching, classroom management, counseling, and student-teacher relationship. Meets Educ. 130 and Educ. 254 requirements. Daily, 8:30 to 2. **112**

June 24 to July 12—SEMINAR FOR TRAINING TEACHERS AND SUPERVISORS IN ELEMENTARY SCHOOLS (Educ. S269E, 3 units). Philosophy; procedures; functions; and relationships between the college and the master teacher; teaching techniques, classroom management, evaluation, policy, and materials. Daily, 8 to 12. **113**

June 24 to August 2—WORKSHOP IN VOCATIONAL GUIDANCE (Educ. S283, 3 units and Educ. 198, 2 units). Students enrolled in this workshop must also be employed full time in an approved position in industry. T.Th. 7 to 9:30 p.m. **114**

August 28, 29, 30—CALIFORNIA ASSOCIATION OF SECONDARY SCHOOL ADMINISTRATORS SUMMER WORKSHOP. Open to laymen and professional educators. **115**

July 9 to August 23—EUROPEAN TOUR: MUSIC OR ART (Mus. S196B, 6 units), leaving from and returning to New York. A comprehensive tour of the cities of Europe including Lisbon, Madrid, Paris, the French Riviera, Florence, Venice, Milan, Lucerne, Salzburg, Vienna, Bayreuth, Amsterdam, Ghent, Brussels, and London. Visits to music and art centers will be emphasized. **116**

June 24 to July 12—WORKSHOP IN LAW ENFORCEMENT AND THE PUBLIC SCHOOLS (Police Sci. S160C, 3 units). Field trips to penal institutions, crime laboratories, narcotic bureaus, honor farms and vice details. Daily, 9 to 12. **117**

July 15 to August 2—CONFERENCE AND LEADERSHIP TRAINING TECHNIQUES IN BUSINESS (Bus. Educ. S195, 3 units). The techniques of conference leading are studied and each member of the group has an opportunity to demonstrate his ability in this area. The means of applying these techniques to both business and secondary groups are considered. 6 to 9:30 p.m. **118**

June 24 to July 12—ORGANIZATION AND ADMINISTRATION OF WORK-EXPERIENCE PROGRAMS IN BUSINESS (Bus. Educ. S196, 3 units). This workshop is specifically planned for teachers interested in co-operative training at the high school and junior college levels. It will offer them an opportunity to investigate, analyze, and discuss methods of operation of a type of educational program which is expanding rapidly throughout our state. 6 to 9:30 p.m. **119**

June 24 to August 2—WORKSHOP IN BUSINESS EDUCATION (Bus. Educ. S197, 3 units). Planned for co-ordinators; store training directors; and teachers of merchandising, salesmanship, and related subjects. Daily, 7:30 to 9. **120**

June 24 to August 2—INSTITUTE FOR AMERICAN STUDIES (6 units). Language arts, fine arts, education, and social studies in an integrated program on the problems of mutual adjustment among Mexicans and Americans. Daily 1 to 4. **121**

August 5 to August 30—SUMMER FIELD STUDY SERIES (Post Session) COMMUNITY RESOURCES IN NATURAL SCIENCE (Nature Study, 101, 102, 103, 1 unit each).

August 5 to August 10—Lower Animals of Land and Stream

August 5 to August 10 or August 12 to August 14—Plants of Southern California

August 12 to August 14 or August 26 to August 30—California Sea Life **122**

MILLS COLLEGE, Oakland 13

Summer Session: June 24 to August 2, 1957

Fees: Tuition: (Adult) \$20 per unit

(Children) \$35 to \$45, depending on course

Campus residence: \$75, student room; \$110, meal ticket for six weeks

Evaline Uhl Wright, Director of the Summer Session

June 24 to August 2—SEMINAR FOR TEACHERS OF DANCE IN HIGH SCHOOL AND COLLEGE (1 unit). A seminar in materials and techniques for the teaching of dance at the secondary and college levels. **123**

- June 24 to August 2—**KINDERGARTEN WORKSHOP** (4 units). Guided observation of children; study of modern materials and procedures in language development and the arts; analysis of community resources, through lectures, field trips, instructional aids; laboratory in industrial arts, music, and social studies. **124**
- June 24 to August 2—**LABORATORY IN READING PROBLEMS** (3-4 units). For public school teachers and others interested in the learning problems of children. The purpose is to understand the nature of the children's reading difficulties and the application of remedial techniques through intensive work with an individual child and participation in group and individual conferences. **125**
- June 24 to August 2—**LA MAISON FRANCAISE** (2-6 units). A special program for teachers of French in the schools, with native instructors; residence accommodations provide opportunity for daily use of the language. Of particular interest will be the "Workshop in the Teaching of French" (2-3 units). An opportunity for teachers to develop materials, projects, courses of study; and methods of teaching elementary school children will be conducted. **126**
- June 24 to August 2—**WORKSHOP IN SCHOOL MUSIC** (2 units). Guided observation of musical activities of children, ages 8 to 14. Twelve lectures on curriculum planning; exercises in rhythm, ear-training, and sight singing. Observation of children's class in music. **127**
- June 24 to August 2—**WORKSHOP IN THEORY OF MUSIC** (2 units). Exercises designed for beginning and second year students in music theory. **128**
- June 24 to August 2—**WORKSHOP IN FICTION WRITING** (2 units). Practice in fiction writing; reading and analysis of representative short stories; criticism and analysis of individual projects. **129**
- June 24 to August 2—**WORKSHOP IN CRITICAL WRITING** (2 units). Practice in writing short critical papers on various aspects of modern fiction: reading analysis of six important modern novels. **130**

OCCIDENTAL COLLEGE, 1600 Campus Road, Los Angeles 41, California

Summer Session: June 24 to August 2

Fee: \$3 registration; tuition, \$16 per unit

Charles F. Lindsley, *Director of the Summer Session*

- June 24 to July 5—**CHILDREN'S LITERATURE** (Ed. S108, 3 units). Designed to deepen appreciation of literature suitable for young children; to familiarize students with the styles and techniques of authors and illustrators; to develop criteria for selection and evaluation of children's books. Organization of stories for different levels. Principles underlying successful story telling and practice in the application of these principles. Daily, 1 to 4. **131**
- June 24 to July 5—**METHODS OF KINDERGARTEN-PRIMARY EDUCATION** (Ed. S121, 3 units). Practical aspects of teaching in the kindergarten-primary grades; analysis of teaching methods, organization and curricula of the modern lower elementary school through observation and research. Daily 9 to 12. **132**
- June 24 to July 5—**CONSTRUCTION FOR THE ELEMENTARY SCHOOL TEACHER** (Ed. S137, 2 units). For teachers and supervisors who use industrial arts as an integral part of the elementary school program. The use of tools and various materials suitable for the elementary school. Daily, 1 to 3:30. **133**
- June 24 to July 5—**CHILD GROWTH AND DEVELOPMENT** (Ed. S142, 2 units each section). Section A. Period from birth to latency considered. Daily 8 to 11. **134**
- July 8 to July 19—**Section B. Period from latency through young adulthood considered.** **135**

- June 24 to July 5—**WORKSHOP IN SOCIAL STUDIES** (Ed. 203, 2 units). Given in co-operation with the State Central Committee on Social Studies. The workshop will include a review of the history and past work of the committee; an evaluation of definitions, point of view, and concepts; panel and round-table discussions; and summaries by teams of participants of changes in content or method for future implementation of the program. Daily, 9 to 4. **136**
- June 24 to July 12—**GUIDANCE AND COUNSELING IN SECONDARY SCHOOLS** (Ed. S144, 2 units). The philosophy behind the guidance movement; principles and techniques used to gain better understanding of human relationships in the secondary school; scholastic and emotional adjustment for students. Daily, 8 to 9:50. **137**
- June 24 to July 12—**THE TEACHING OF READING, WRITING AND SPELLING—THEORY AND PRACTICE IN A NEW TECHNIQUE** (Ed. 163, 2 units). Technique of teaching children to acquire skill in the threefold language pattern. Prevention and prediction of reading difficulties; prereading, prognostic tests, remedial techniques. Demonstrations at the Oakwood School which emphasize phonetics, and visual and kinesthetic linkages. Daily, 9 to 12. **138**
- July 1 to July 12—**WORKSHOPS IN NURSERY EDUCATION** (Ed. 141, 2 units, each section). Section A: Administration to meet children's needs. Play and creative activities for young children. **139**
- July 15 to July 26—**Section B: Implications of recent research for early childhood education. Play materials and program planning.** Daily, 9 to 12 and 1 to 3. **140**
- July 8 to July 19—**WORKSHOP IN ELEMENTARY SCIENCE** (Ed. S134d, 2 units). Materials and methods of teaching science to young children; creating science experiences; developing fundamental concepts; selecting and preparing materials of instruction; evaluating growth. Daily, 1 to 4. **141**
- July 22 to August 2—**MEETING CHILDREN'S INDIVIDUAL NEEDS IN THE CLASSROOM** (Ed. 202, 2 units). A workshop approach to developing understanding of individual differences, and specific methods for meeting individual needs in the classroom, using pertinent research, experience and information from various fields to develop and evaluate teaching skills. Observation in Pacific Oaks nursery school and kindergarten; field trips, films, discussion, special library facilities. Daily, 9 to 12. **142**
- June 24 to July 19—**GERMAN S1 AND SPANISH S1R** (4 units each). Daily, 8 to 9:50 and 11:30 to 12:20. **143**
- July 22 to August 16—**GERMAN S2 AND SPANISH S2R** (4 units each). Daily 8 to 9:50 a.m. and 11:30 to 12:30. **144**
- June 24 to July 5—**SEMINAR IN CHORAL CONDUCTING** (Music S234, 2 units). Discussion, demonstration and practice with choral techniques. Building and development of choral tone. Repertoire for school and adult choruses. Choral organization; studies in interpretation. Daily, 9 to 12:15. **145**
- June 24 to July 6—**ADVANCED ORCHESTRAL CONDUCTING** (Music 231, 2 units). A seminar-workshop which includes baton technique, rehearsal technique, accompaniment, a survey of literature on conducting, and development of an approach to interpretative problems in baroque, classical, romantic, and contemporary symphonic literature. Advanced application necessary. Daily. **146**
- June 24 to July 12—**TECHNIQUES IN CONTEMPORARY DANCE** (P.E. 123, 1 unit). The techniques and styles of dance in the modern idiom. Daily 9 to 9:50. **147**
- June 24 to July 12—**ADVANCED TECHNIQUES IN CONTEMPORARY DANCE** (P.E. 124, 1 unit). Prerequisite: P.E. 123 or its equivalent. Daily, 9 to 9:50. **148**
- June 24 to July 12—**CHOREOGRAPHY** (P.E. 125, 2 units). Tools, techniques, and practice in the art of dance composition. Daily, 9 to 10:50. **149**

June 24 to July 12—ADVANCED CHOREOGRAPHY (P.E. 126, 2 units). Prerequisite: P.E. 125 or its equivalent. Daily, 9 to 10:50. **150**

June 24 to July 5—WORKSHOP IN DRAMATIC ACTIVITIES IN THE ELEMENTARY SCHOOL (Speech 143, 2 units). Practical help for the teacher called on to supervise dramatic activity, through a survey of plays, pageants, shadow plays, puppetry, and creative dramatics. Includes a bibliography and basic techniques for directing. Daily, 10 to 12:30. **151**

PACIFIC UNION COLLEGE, Angwin, Napa County

First Summer Session: June 17 to July 11, 1957

Second Summer Session: July 15 to August 8

Third Summer Session: August 12 to September 5

Fees: \$177 for 12 to 16 quarter hours

\$14 per quarter hour

J. Paul Stauffer, *Director of the Summer Session*

June 17 to September 5, 1957—MENDOCINO BIOLOGICAL FIELD STATION. Field and laboratory courses for advanced biology students and elementary and secondary school teachers. For information about the courses available at the field station, address D. V. Hemphill, Chairman, Biology Department, Pacific Union College, Angwin. **152**

PASADENA COLLEGE, 1539 East Howard Street, Pasadena 7

Summer Session: June 17 to August 2, 1957

Fees: \$15 per unit first four units

\$10 per unit for all units in excess of four

Harvey B. Snyder, *Director of Summer Session*

June 17 to August 2—SEVEN WEEKS SUMMER SESSION (7 or 8 units), including Art and Crafts for Elementary School Teachers, Elementary School Methods in Music, Arithmetic, and Science, Elementary School Recreation, First Aid, and Physical Education, Classroom Management, Speech and Story Telling for Teachers. **153**

GEORGE PEPPERDINE COLLEGE, 1121 West 79th Street, Los Angeles 44

Summer Session: June 24 to August 16

First Session: June 24 to August 2

Second Session: August 5 to August 16

Tuition: \$16 per semester unit; 10 per cent reduction for teachers

Lonnie T. Vanderveer, *Director of Summer Sessions*

June 24 to July 5—CONSTRUCTION AND USE OF BETTER READING MATERIALS (Ed. 181SC, 2 units). Participants will discuss methods, techniques and materials useful in teaching remedial reading, both in the regular classroom and in special remedial reading classes. Opportunities will be given for each teacher to prepare materials suitable for his own needs. **154**

July 22 to August 2—PREPARATION OF NATURE STUDY MATERIALS (Ed. 181SB, 2 units). A practical workshop designed to permit elementary and secondary teachers to collect, classify, and prepare for their classroom use an extensive variety of educational realia, objects, specimens, replicas, etc. Individual and group direction, field trips, planning and construction will enable participants to prepare those materials in which they are individually interested. **155**

August 5 to August 16—**ENRICHMENT MATERIAL, METHODS, AND TECHNIQUES FOR THE GIFTED CHILD** (Ed. 181SD, 2 units). Basic organization of the programs for the education of the gifted child; classification and testing; curriculum adjustments and principles of teaching the gifted; exploring creative activities; guidance and evaluation of student progress. **156**

SACRAMENTO STATE COLLEGE, 6000 J Street, Sacramento 19

Summer Session: Six weeks—June 24 through August 2, 1957

Lake Tahoe Session—July 15 through August 3

Post Session—August 5 through August 30

Fees: \$9 per semester unit

James M. Bradfield, Acting Dean of Educational Services and Summer Session

June 24 to August 2—ART SEMINAR (1 unit). An evening seminar for people interested in the visual arts. Each week the college will invite artists, critics, designers, and recognized authorities to analyze the role and effectiveness of art in their own fields. With the aid of the college staff and guests, these specialists will lead informal discussion and criticism of the trends in contemporary art and of their impact on our lives. Wednesdays, 7:30 to 10 p.m., Tarmo A. Pasto. **157**

June 24 to August 2—FILM VERSIONS OF LITERARY CLASSICS (1 unit). At each meeting the class will see an outstanding motion picture based on an important literary work. The presentation of each film will be preceded by a lecture on the literary work and followed by a discussion of the film in relation to the work on which it is based. Thursday, 7:30 to 10 p.m., Donald E. Houghton. **158**

June 24 to August 2—WORKSHOP IN SOCIAL SCIENCE CONCEPTS (4 units). A graduate workshop in furtherance of the activity of the State Central Committee on Social Studies. Enrollment will be limited to 35 and by permission of instructors. Inquiries and applications for enrollment should be directed to the workshop directors. Daily, H. Orville Nordberg and John C. Livingston. **159**

June 24 to August 2—WORKSHOP IN PRIMARY PROCEDURES (2 units). Designed to provide opportunities for work on problems of the student's choice, such as preparation of material for the independent reading period, arithmetic games and activities, science experiments, art activities, or others. For students with teaching experience. Prerequisite: Educ. 140 or the equivalent. Daily, Ida E. Morrison. **160**

June 24 to August 2—WORKSHOP IN TEACHING ARITHMETIC TO UPPER GRADE AND HIGH SCHOOL PUPILS (4 units). A new course designed primarily for teachers of arithmetic in grade seven and above. Study of advantages and disadvantages of various systems, and different methods of performing the fundamental operations. The use of the simple adding machine will be explored at some length so members of the group will become familiar with the machines and learn how to teach arithmetic by using them. Other mechanical devices, abaci, counting frames, etc. will be studied as well. Enrollment is restricted to upper grade and secondary teachers of arithmetic and mathematics, supervisors of instruction in arithmetic and mathematics, and graduate students in teacher education with good mathematical backgrounds. Daily, Gordon R. Glabe and Herbert H. Matthews. **161**

June 24 to August 2—WORKSHOP IN ELEMENTARY SCHOOL MUSIC (4 units). Both primary and intermediate workshops will be given. These workshops are open to classroom teachers, administrators, and others who are particularly interested in the music program of the elementary schools. Procedures will be determined by the needs and interests of the class personnel. Opportunity will be provided for students to work on problems in music education that are personally applicable. Daily, Viola Boekelheide and Alberta Goff. **162**

June 24 to August 2—WORKSHOP IN AUDIO-VISUAL AIDS FOR BUSINESS EDUCATION INSTRUCTION (2 units). Evaluation of current films and filmstrips available to California business teachers as well as the evaluation of records and tape recordings in skill development. Consideration of the following areas of specialization: typewriting, shorthand, bookkeeping, office practice, business machines, filing, salesmanship, retailing, consumer economics and general business. Daily, Jack N. Wait. **163**

June 24 to August 2—WORKSHOP IN TEACHING DOUBLE REED INSTRUMENTS (2 units). The technical and instructional aspects of double reed instrument playing and teaching. Both oboe and bassoon will be studied. Open to music teachers of the elementary, junior high, and high schools. Daily, Daniel C. Kingman. **164**

June 24 to June 28—SCHOOL CAFETERIA WORKSHOP (1 unit). Four workshops will be offered for public school cafeteria personnel:
 Nutrition for School Lunch Personnel
 Beginning Menu Planning
 Advanced Menu Planning
 Sanitation for the School Cafeteria
 Because classes are to be limited, intention to register should be indicated well in advance to the Dean of Summer Session. Daily, Mary Jo Kenny. **165**

August 5 to August 16—WORKSHOP ON PROBLEMS OF HEALTH IN SCHOOL AND COMMUNITY (2 units). For teachers, nurses, school administrators and supervisors, professional and voluntary agency personnel and others interested in health programs. For further information contact the workshop co-ordinator. Daily, Frank B. Jones. **166**

June 24 to August 2—ARCHAEOLOGICAL FIELD WORK (3 to 6 units). Archaeological studies in the High Sierra. Survey and excavation of archaeological sites in the Lake Tahoe-Truckee area. For further information contact Brigham A. Arnold. **167**

CULTURBUS TOURS

June 15 to June 23—Grand Canyon National Park, Martin R. Brittan.

June 17 to June 21—Northern California Indians, Richard H. Reeve.

June 15 to August 2—Scenic Alaska, Inland Passage, Robert L. Livezey.

July 24 to August 2—Great Northwest Coast, Robert L. Livezey and Martin R. Brittan.

July 24 to September 10—Scenic Alaska, Inland Passage, Martin R. Brittan.

August 9 to August 18—John Muir Trail, Roberta Christie.

For further information contact Willard W. Thompson. **168**

June 23 to August 31—THE AUDUBON CAMP. In the Sugar Bowl of the Sierra Nevada. Outdoor learning, informal field trips, special emphasis on problems of conservation. Qualified individuals may earn 2 units for successful participation in one of five 2-week sessions. Requests for information before June 20 may be addressed to National Audubon Society, 2426 Bancroft Way, Berkeley 4, California; after June 20, to Audubon Camp of California, Norden, California. **169**

June 20 to August 11—EUROPEAN STUDY TOUR: OUR CULTURAL HERITAGE (6 units). Educational tour to most of Europe's principal cities of interest and to eighteen countries, including Scotland, England, France, Italy, Austria, Yugoslavia, Switzerland, Germany, Belgium, and Norway, Sweden, and Denmark. For further information contact Baxter M. Geeting of the SSC staff. **170**

June 24 to August 2—SUMMER THEATER (1 to 4 units). At least one major production and several minor ones are planned. The *Teahouse of the August Moon* is scheduled for the major production. **171**

June 24 to August 2—SPEECH AND HEARING CENTER. Five courses offered for candidates for the Special Credential in Speech Correction. A limited number of children will be accepted for speech therapy during the six-week session. For further information contact Oliver M. Skalbeck, Speech and Hearing Center. **172**

June 24 to August 2—**FOREIGN LANGUAGE TEACHING ON THE ELEMENTARY LEVEL** (4 units). Designed primarily for elementary teachers interested in learning how to use foreign language to enrich the elementary curriculum. It will also provide teachers of foreign language with an opportunity to learn techniques of presentation adapted to the elementary level. Daily, Lucie T. Horner. **173**

June 24 to August 2—**RESOURCES AND INFORMATION ON BUSINESS AND INDUSTRY FOR TEACHERS** (2 units). Provides elementary and secondary teachers with background information on how modern business produces and markets such basic commodities as steel, petroleum products, automobiles, airplanes, etc. Some emphasis on California business, agriculture, fisheries, and extractive industries. Extensive use of audio-visual presentation, discussion and plant visitation. Daily, John R. Cox. **174**

SAN DIEGO STATE COLLEGE, San Diego 15

Summer Session Term I: June 24 to August 2, 1957

Summer Session Term II: August 5 to August 23, 1957

Fees: \$9 per unit

Ernest B. O'Byrne, *Dean of Educational Services and Summer Sessions*

June 24 to June 28—**ANNUAL GUIDANCE CONFERENCE** (Ed. 191, 1 unit). A series of lectures and discussion sessions on current problems in counseling and guidance. Designed to assist teachers, counselors, administrators and others to increase their understanding and competence in the field of student personnel work, and to keep them informed of developments in this field. May be taken three times for credit. Further information may be secured from Virgil Howes, co-ordinator. **175**

June 24 to August 2—**SUMMER DEMONSTRATION SCHOOL**. The Campus Laboratory School will offer a program for children in kindergarten and selected grades from one through six, staffed by outstanding demonstration teachers and exemplifying modern practices in elementary education. **176**

June 24 to August 2—**WORKSHOP IN COMMUNITY INFLUENCES ON LEARNING AND CURRICULUM PLANNING** (Ed. 208-S, 6 units). For teachers, administrators, counselors, and curriculum co-ordinators of elementary and secondary schools. A full-time program of lectures, demonstrations, films, field trips, and discussions of techniques for planning and guiding learning activities for children (role playing, sociodrama, sociometry, the pupil diary; developmental tasks, social class influences on learning, the democratic vs. the authoritarian personality, etc.). William Jack Stone, Workshop Director, will be assisted by staff and consultants. **177**

June 24 to August 2—**WORKSHOP IN SCHOOL ADMINISTRATION** (Ed. 268, 2 to 6 units). A series of three workshops of two weeks duration each offering 2 units graduate credit each. The workshops are designed for in-service school administrators seeking solutions to present-day problems. **TRENDS AND PROCEDURES IN SCHOOL ADMINISTRATION** will be offered June 24 through July 5; **CURRICULUM CONSTRUCTION AND CURRICULAR EVALUATION AND SUPERVISORY SERVICES**, July 8 through July 19; and **HUMAN RELATIONS AND GROUP PROCEDURE IN SCHOOL ADMINISTRATION**, July 22 through August 2. **178**

June 24 to August 2—**WORKSHOP FOR TEACHING THE MENTALLY RETARDED** (Ed. 172, 3 to 6 units). Teachers of special classes for mentally retarded children and applicants for the credential to teach exceptional children will have the opportunity to observe a class demonstration by an outstanding teacher. For further information, write to Francis A. Ballantine, Co-ordinator of Special Education. **179**

June 24 to August 2—**SUMMER WORKSHOP IN BUSINESS TEACHING METHODS** (Bus. Adm. 180, 2 to 6 units). Workshops under the heading of Business Education have been set up in three areas: **DISTRIBUTIVE AND BASIC BUSINESS EDUCATION**, a study of the techniques in the promotion, co-ordination, and evaluation of distributive education programs presented by experts in the field; July 22 to

August 2 (2 units), SECRETARIAL SKILLS, a study of the values and future of long-hand systems of shorthand, demonstration and study of newer methods of teaching shorthand and transcription; and discussion of work problems, geared to individuals present, by experts in the field; and July 8 to July 19 (2 units), MANUAL AND ELECTRIC TYPEWRITING, a study of practical teaching methods for both manual and electric typewriting, methods of transfer of skills, and typewriting standards and problems in local industry. Further information may be requested from Maurice L. Crawford, Department of Business Education. **180**

June 24 to August 2—SUMMER SCIENCE LECTURE SERIES (Biol. 170-S, 1 unit; Phy. Sci. 140-S, 1 unit; and Psych. 180-S, 1 unit). Three series of six weekly lectures each, in biology, physical science, and psychology will be held on campus in the evenings. Outstanding research scientists will give firsthand reports of recent investigation in their respective fields. Open to all interested persons. A limited number of qualified students will be allowed to enroll for credit. **181**

June 24 to August 23—EUROPEAN STUDY TOUR (Gen. Cult. 17-S; 117-S, Eur. Civ., 3 units; and Gen. Lang. 30, Pronunciation of French, Italian, and German, 3 units). Trans-Atlantic crossings will be made by airplane, and travel through Belgium, France, Italy, Austria, Germany, Switzerland, Denmark, Sweden, Norway, Holland, England, Scotland, and Ireland will be by chartered motor coach. Besides visits to churches, art galleries, museums, monuments, and educational, civic, and industrial institutions the program provides opportunities for attendance at plays, operas, and concerts. For more specific information regarding costs, itinerary, travel arrangements, and regulations, write to Ernest M. Wolf, Director of European Study Tour. Students may register in advance, June 1 to June 20, at the Registrar's Office of the college. **182**

July 8 to August 20—ANNUAL WORKSHOP IN CHORAL ART (Music 207 ABC, 6 units). Directed by Robert Shaw, Julius Herford, and staff of musician-artists, sponsored by the Music Department with the co-operation of the San Diego Symphony Orchestra. Study and performance of choral and chamber music; development of analytical techniques; study of vocal techniques, of the larger forms, and of styles, including practices of the baroque and later periods. Prerequisites: graduate standing and permission of the instructors. Further information may be requested from J. Dayton Smith, Chairman, Music Department. **183**

August 5 to August 23—INSTITUTE ON WORLD AFFAIRS (Po. Sci. 168-S, 3 units). A three-week institute and workshop with lectures and group discussion devoted to examining and analyzing contemporary problems in world affairs. Special attention will be paid to the position of the United States within the international framework. **184**

June 24 to August 23—WORKSHOP IN ELEMENTARY EDUCATION (Ed. 135, 3 units). Problem-centered work sessions designed for teachers who have completed basic professional education courses and are seeking background information, teaching materials, and techniques which will enrich their teaching. WORKSHOP IN ARITHMETIC, June 24 to July 12, will include grades one through eight with activities geared to the problems of the individuals present. WORKSHOP IN READING, August 5 to August 23, will follow a format similar to that of arithmetic. WORKSHOP IN SPANISH IN THE ELEMENTARY SCHOOL, August 5 to August 23, will be concerned with materials and techniques for teaching Spanish. WORKSHOP IN ART EDUCATION, July 15 to August 2, will offer opportunity to explore contemporary materials, techniques and ideas appropriate to the development and enrichment of the elementary and/or secondary school art program. Practical solutions to school art problems are encouraged. WORKSHOP IN INDUSTRY IN THE ELEMENTARY SCHOOL PROGRAM, July 15 to August 2, has been designed to assist the elementary school teacher in building a background which will be useful in teaching social studies-science units. **185**

August 5 to August 16—WORKSHOP IN HEALTH EDUCATION (Health Ed. 154, 2 units). For nurses, teachers, administrators. Methods and techniques of educa-

tion for all grades, with special emphasis on their contribution to the health instruction program in related areas, such as social studies, science, and physical education. Opportunity for preparation of units, development of materials, and study of other approaches to health education. Co-sponsored by 10 educational and health organizations; directed by Miriam Paine, Assistant Supervisor of Physical Education, San Diego public schools, with guest co-ordinators. **186**

August 5 to August 23—**DRIVER EDUCATION WORKSHOP** (Ed. 123, 3 units). A basic course for high school teachers of driver education. A grant from the Allstate Foundation makes it possible to offer a scholarship of \$75 to those who can qualify. For further information concerning either the course or the scholarships write to M. D. Alcorn. **187**

August 5 to August 23—**WORKSHOP ON THE GIFTED CHILD** (Ed. 222, 3 units). A workshop for teachers and administrators at either elementary or secondary level concerning the gifted child. The workshop will consist of lectures, discussions, and work periods to meet the needs of the individual participants. A study of the nature of the gifted as well as intensive study of curriculums, procedures and programs for gifted children. For additional information write to Francis A. Ballantine. **188**

SAN FRANCISCO COLLEGE FOR WOMEN, Lone Mountain, San Francisco 18

Summer Session: June 24 to August 2, 1957

Fees: \$10 per semester unit, undergraduate

\$15 per semester unit, graduate

For information, address *Dean of the Summer Session*

June 24 to July 12—**WORKSHOP IN ELEMENTARY ARITHMETIC** (Ed. 136, 2 units). Designed primarily to aid teachers in making arithmetic meaningful to children. **189**

July 15 to August 2—**TEACHING OF READING IN THE ELEMENTARY SCHOOL** (Ed. 137, 2 units). Emphasis upon improvement of comprehension and speed in reading. Special methods to be employed with the slow learning; enrichment material for the gifted. **190**

SAN FRANCISCO STATE COLLEGE, 1600 Holloway Avenue, San Francisco 27

Summer Sessions: Regular Session, June 24 to August 2, 1957

Post Session, August 5 to August 23, 1957

Off-campus Sessions at Modesto, Santa Rosa, and Vallejo, June 24 to August 2, 1957

Fees: \$9 per semester unit

Leo F. Cain, *Dean of Summer Sessions*

June 13 to September 9—**STUDY TOURS**. Requests for specific information regarding costs, travel arrangements, itineraries, college credit, etc., should be addressed as early as possible, to the director of the tour, in care of the college. **191**

MUSIC AND ART OF WESTERN EUROPE, June 29 to August 17 (6 units). Director, D. Sterling Wheelwright. **192**

STUDY TOURS TO THE ORIENT AND AROUND THE WORLD: Short Tour, June 13 to August 18 (3 units); **Long Tour**, June 13 to September 9 (6 units). Director, Urban G. Whitaker. **193**

AROUND THE WORLD STUDY TOUR, June 22 to September 1 (6 units). Director, Alfred G. Fisk. **194**

- ART IN ACTION TOUR, June 20 to August 4 (6 units). Director, Mayo J. Bryce. **195**
- SEMINAR IN WESTERN EUROPE, June 21 to August 22 (6 units). Director, Louis Wasserman. **196**
- NATURAL HISTORY IN WESTERN EUROPE, June 27 to August 26 (6 units). Director, Joel F. Gustafson. **197**
- WORLD BUSINESS SURVEY TOURS (Area Studies in Business—Europe, 6 units, World Business s146) (Area Studies in Business—Far East, 6 units, World Business s147). For further information write: Chairman, Division of Business, San Francisco State College. **198**
- June 17 to June 21—One week. (Nat. Hist. s198, 1 unit). FIELD PROBLEMS IN NATURAL HISTORY: MODOC LAVA BEDS. **199**
- June 24 to August 2—EDUCATION OF EXCEPTIONAL CHILDREN. Includes offerings in the field of education of the mentally handicapped, the speech-handicapped, and the physically handicapped, including the cerebral palsied; organized to meet requirements for the California teaching credential for exceptional children, with major emphasis in the several areas, as well as for certification for audiometrist; workshop to provide experience both for preservice professional preparation and for experienced teachers. Advanced work for the master's degree will also be offered. **200**
- WORKSHOP IN SPECIAL EDUCATION OF THE MENTALLY RETARDED (Educ. s166.2; 3 to 6 units). **201**
- June 24 to August 2—CLINICAL METHODS AND CLINICAL PRACTICE WITH THE VISUALLY HANDICAPPED, ACOUSTICALLY HANDICAPPED, SPEECH CORRECTION, AND ORTHOPEDICALLY HANDICAPPED (Educ. s121.1; 1 to 2 units). **202**
- June 24 to August 2—ELEMENTARY DEMONSTRATION SCHOOL. The school is in session for the morning hours only. The teaching core will be the social studies, with creative activities experiences for all the children throughout the session. Handicapped children will be integrated into the regular program of the school with special attention given by a resource teacher in the necessary field. Classes will include kindergarten through grade six. For information write Miss Esther Anson, Summer Demonstration School. **203**
- June 24 to August 2—SEMINAR IN THE CREATIVE ARTS IN EARLY CHILDHOOD (C.A. s250; 3 units). Opportunity for elementary classroom teachers to develop a degree of personal competence in the fields of art, music, drama, and rhythmic activities. (To be taken concurrently with Ed. s130.2). Conducted by Leonard Tabor. **204**
- June 24 to August 2—WORKSHOP IN EARLY CHILDHOOD EDUCATION (Ed. s130.2; 3 to 6 units). Education in nursery school, kindergarten, and primary grades; study of physical, social, emotional, and intellectual growth of children from 3 to 9 years of age. **205**
- June 24 to August 2—WORKSHOP: ACTION PROGRAMS IN HUMAN RELATIONS (Ed. s204.4; 6 units). For teachers, principals, supervisors, and community workers interested in improving their methods in specific programs in human group relations and leadership problems. Conducted by Hilda Taba, John Robinson, and Robert Smith. For further information about preregistration address inquiries to Miss Taba. **206**
- July 22 to July 26—AUDIO-VISUAL WORK CONFERENCE (Ed. s118.4; 1 unit). Emphasis on the uses of materials of all types from books, flat pictures, charts, etc., to magnetic tapes and sound motion pictures, in elementary and secondary curriculum projects. Values of these materials will be studied. Attention to the use of television in instruction. Conducted by Raymond Wiman and W. Almonde Porter. **207**

- June 24 to June 28—**WORKSHOP IN SCHOOL LIBRARY ORGANIZATION** (Ed. s199, 1 unit). A workshop for elementary school teachers focused on problems of organization management, and book selection. For further information, write to Mrs. Mae Durham. **208**
- July 16 to July 20—**CONFERENCE ON SCHOOL BOARD PROBLEMS**. For school board members, school administrators, and interested laymen. For further information, write to the workshop co-ordinator, Aubrey E. Haan. **209**
- July 1 to July 19—**SOCIAL STUDIES CURRICULUM WORKSHOP** (Ed. s292.1 or Soc. Sci. s292.1; 3 units). Membership by invitation only. For further information, write to Donald M. Castleberry, Chairman of the Social Science Division. **210**
- June 24 to July 12—**WORKSHOP IN METHODS AND MATERIALS FOR TEACHING AN INTEGRATED HOMEMAKING PROGRAM** (Home Ec. s190.3; 3 units). Integration of all phases of home and family living in the junior and senior high school home-making program. Conducted by Grace Diem and Helen Dickin. **211**
- June 24 to July 5—**THE SCHOOL PHYSICAL EDUCATION PROGRAM** (P.E. mw s296; 2 units). A conference for men and women concerned with the school physical education program. Conducted by Harry Scott of Columbia University. **212**
- July 11 and July 12—**CONFERENCE ON REHABILITATION FOR SEVERELY HANDICAPPED**. For further information, address William M. Urdane, Co-ordinator of Rehabilitation Institute. **213**
- June 24 to August 2—**CLINICAL METHODS: WORKSHOP FOR SCHOOL PSYCHOLOGISTS AND SCHOOL PSYCHOMETRISTS** (Psych. s220.5; 4 to 6 units). Early identification, assessment, and adjustment of emotionally disturbed, brain-injured, mentally retarded, and gifted children; the communication of psychological information to members of other disciplines; the role of the psychologist in school and community mental health programs; professional problems, including personal growth and insight; and legal problems. Conducted by Stephen S. Rauch. **214**
- June 24 to August 2—**WORKSHOP IN MATHEMATICS FOR TEACHERS** (Math. s184; 3 units). Conducted by Edward H. Whitmore. **215**
- June 24 to August 2—**WORKSHOP IN ELEMENTARY SCHOOL SCIENCE** (N.S. s100; 2 units). Conducted by Charles E. Burleson. **216**
- June 24 to August 2, at Vallejo Off-Campus Session—**WORKSHOP IN SECONDARY EDUCATION** (Ed. s153.2; 3 units). Address inquiries to Paul M. Allen, Director of Off-Campus Session, in care of San Francisco State College. **217**
- June 24 to August 2—**TEACHING THROUGH TELEVISION** (Radio-TV s141; 3 units). Conducted by I. Keith Tyler, Director of the Institute for Education by Radio-Television, Ohio State University. **218**
- June 22 to August 12—**CAMPING AND OUTDOOR EDUCATION AT COLLEGE CAMP** (located at Yuba Pass near Sierra City). Applications to attend camp must be filed with the Recreation Department Office by May 1. Students attending the camp must register at the San Francisco Campus on Saturday, June 22. **219**
- August 5 to August 23—**INDUSTRIAL ARTS WORKSHOP** (I.A. s140.1-3, 3 units). Conducted by Roy F. Anderson. **220**
- August 3 to August 22, at Summer Camp at La Honda, approximately 25 miles from San Francisco—**WORKSHOP ON TRAINING AND RECREATION PROGRAMS FOR SEVERELY RETARDED CHILDREN** (Ed. s166.4; 3 units). Registration by application only. Enrollment limited to 20 students. For further information write the Co-ordinator of Special Education, San Francisco State College. **221**
- CONFERENCE ON PROBLEMS OF THE AGING**. A conference on problems of the aging will be held in August. Federal, state and local community agencies will participate. Inquiries may be directed to David Freeman, Psychology Department. **222**

SAN JOSE STATE COLLEGE, San Jose 14**Six Weeks Session: June 24 to August 2, 1957****Four Weeks Session: August 5 to August 30, 1957****Fees: \$9 per semester unit****Joe H. West, Dean of Summer Sessions**

June 14 to June 17—RECREATION CONFERENCE. This highly successful feature of last year's Summer Session will be repeated for recreation leaders and others wishing training in community recreation and playground crafts and skills, in a delightful outdoor setting. The conference is held at beautiful Camp Campbell in the Santa Cruz mountains. For information write Dean of Summer Sessions. **223**

June 17 to June 21—CHALLENGES OF CHILDHOOD WORKSHOP (H.E. 174S, or Psy. 174S, or Ed. 174S, or H.H. 174S, 1 unit). A staff of specialists headed by A. Joe Scull, M.D., noted child psychiatrist and pediatrician, will conduct, for the second year, this significant project for the study of practical problems of child growth and behavior. For five days the workshop will bring together a group of parents, teachers, students, health educators, social workers and others to gain a better understanding of the physical, physiological, and emotional development of the child as he conforms to and learns the significance of interpersonal relationships—in short, as he confronts the problems of "growing up." Information may be requested from Margaret Jones, Department of Home Economics, San Jose State College. **224**

June 17 to June 28—WORKSHOP CONFERENCE ON THE SOCIAL STUDIES (Ed. 255S, 2 units). Examination of reports of the State Central Committee on Social Studies. Critical review of proposed concepts for a state curriculum in the social studies, kindergarten through junior college. Consideration of problems related to curriculum design and grade placement. Enrollment limited to members of curriculum groups sponsored by school districts working co-operatively with the California State Department of Education. Participants should reserve two hours in the afternoon for study of materials and work session. For information write Henry C. Meckel, Professor of Education. **225**

June 17 to June 28—WORKSHOP IN DRIVER EDUCATION (I.A. 192S, 2 units). This workshop is planned for secondary school teachers and others with teaching assignments in driver education and driver training. Emphasis will be given to practical problems of administration, scheduling, usable techniques in classroom and behind-the-wheel instruction; insurance, driver attitudes, accident prevention, and the California state laws in their relationship to vehicular traffic. Students enrolled in this course must possess a valid California driver's license. For further information write Heber A. Sotzin, Chairman, Division of Applied Arts. **226**

June 18 to June 22—MODERN SCHOOL LIBRARY WORKSHOP (Lib. 190S, 1 unit), a one-week workshop, headed by Mary Peacock Douglas, covering the most important phases of school library administration. Emphasis during the session will be on the currently changing role of the school library into an instructional materials center. During the five-day program, the following areas will be covered: library-faculty co-operation, student assistants, utilizing and handling instructional materials, library instruction, and displays and publicity. For information write Dora Smith, Head, Department of Librarianship. **227**

June 23 to July 6—HIGH SCHOOL CHEMISTRY TEACHERS WORKSHOP (Sci. Ed. 252S, 2 units). This is a workshop for upgrading chemistry teachers, and will be concerned primarily with improving chemistry laboratory demonstration. It is financed by the Future Scientists of America Foundation of the National Science Teachers Association, through funds furnished by Crown-Zellerbach, for selected teachers from the western states who will receive stipends to cover most of their expenses. For information write Carl D. Duncan, Chairman, Division of Natural Science. **228**

June 24 to July 19—WORKSHOP IN ELEMENTARY EDUCATION (San Jose) (Ed. 226S, 4 units), limited to selected teachers in service in the San Jose Public Schools. Improvement of teaching techniques based on modern school theory and practice will be the philosophy back of the workshop sessions. For additional information address William G. Sweeney, Chairman, Division of Teacher Education. **229**

June 24 to August 2—CREATIVE ARTS ACTIVITY (Dr. 65S-165S, 3 units; Mus. 187S, 2 units; Art. Ed. 350S, 2 units). The Music, Art, and Drama Departments will join this summer in a co-operative effort to integrate instruction and production in art, music, and drama in a laboratory setting. This is an experimental undertaking which will utilize faculty from each of the respective departments, and selected secondary school students with special interests and talents in each of the three areas. Problem is to discover if there actually can be such a thing as correlation of the arts in the classroom; or more specifically, if there is a common base upon which such a correlation may be founded to permit practical integrated teaching of the creative arts. It is hoped that the experiment may be culminated with a workshop performance. Information may be secured from Harold C. Crain, Chairman, Division of Fine Arts. **230**

June 24 to August 2—INSTRUCTIONAL TV WORKSHOP (Ed. 129, 2 to 4 units). Members will explore possibilities for the use of television in teaching. Producing techniques and classroom use of lessons taught on television will be considered. Members of the workshop will plan, prepare and produce teaching television programs. Designed for teachers and others interested in the present state of development of instructional television. Information may be requested from Richard B. Lewis, Director of Audio-Visual Services. **231**

June 24 to August 2—DEMONSTRATION SCHOOL (Ed. 140AS, 2 units; Ed. 140BS, 2 or 4 units; Ed. 142S, 2, 4, or 6 units). Advanced instructional method for grades kindergarten through six will be demonstrated by a carefully selected group of teachers who have proved their superiority in the classroom. Their efforts will be augmented by specialized consultants to show classroom teachers how to make fuller use of areas and skills such as music, art and construction. In addition to those who observe, a limited number of experienced teachers may elect to participate. These should preregister. Admission to the Demonstration School is by registration only; occasional visitors, except parents of children enrolled, or school officials, will not be permitted. A limited number of children will be accepted for the school. Their enrollment will begin April 1. For information or enrollment of children write to Joseph B. Larkin, Director of Demonstration School. **232**

June 24 to August 2—FESTIVAL OF ARTS. Because of its popularity for the past two summers, plans are being made to repeat the festival in 1957 with a program of plays, concerts, exhibitions, lectures and other events designed to emphasize the place of creative arts in contemporary life. **233**

June 24 to August 2—GENERAL ELEMENTARY WORKSHOP (Ed. 226S, 6 units). Experienced teachers who wish to work full time on problems of elementary education, and improve techniques and materials in their teaching areas, will receive in this workshop the assistance of a group of highly trained specialists. Participants will observe in the Demonstration School, and its staff of teachers and consultants will be available. Sharing of ideas will be emphasized. Information may be requested from William G. Sweeney, Chairman, Division of Teacher Education. **234**

June 24 to August 2—GEOLOGY FIELD STUDY (Geol. 103S, 6 units), a summer field program for qualified senior geology majors will be offered again during the six-week session. Six semester units will be awarded on completion of the eight hours a day, five days a week course. Campsite will be located in the San Joaquin Valley. Students must provide their own camp equipment. Food is usually purchased and prepared on a group basis. Information may be secured from Carl D. Duncan, Chairman, Natural Science Division, San Jose State College. **235**

- June 24 to August 2—**HARTNELL (SALINAS) SUMMER SESSION** is a branch Summer Session conducted at Hartnell College, Salinas, permitting teachers in that area to attend college near their homes and at the same time receive residence credit at San Jose State College. Courses selected to stimulate cultural, social, and political awareness. Persons not engaged in teaching are also invited to attend. Hartnell College is pleasantly located for a summer session, being within convenient driving range of the Monterey Peninsula, Santa Cruz, and northern San Luis Obispo areas. Information may be requested from Frank G. Willey, Co-ordinator, Extension Services, San Jose State College. **236**
- June 24 to August 2—**KINDERGARTEN-PRIMARY WORKSHOP** (Ed. 190S, 6 units), for experienced teachers, the workshop will be conducted by outstanding consultants in various subject matter and aesthetic areas within the scope of the kindergarten-primary curriculum. Opportunity will be given to observe teaching techniques in the Demonstration School. A full-time program. **237**
- June 24 to August 2—**CREATIVE WRITERS' WORKSHOP** (Engl. 170S, 3 units), a writing laboratory for students sufficiently advanced to do work of professional or near-professional level. Frequent practice in and discussion of writing of the short story, reminiscence, verse, essay and one-act play will be given. Students wishing to enroll are invited to bring samples of their work on registration day. Admission is by consent of the instructor. Request for further information may be addressed to Roberta Holloway, Professor of English. **238**
- June 24 to August 2—**SCHOOL PUBLICATIONS WORKSHOP** (Journ. 263S, 2 units). Class members will produce the Summer Session newspaper in this basic introduction to the techniques of writing, illustrating and laying out school publications. The school yearbook, and newspaper, literary magazine, and mimeographed publications will be dealt with, and some attention will be given to school publicity. No experience necessary. Information may be requested from Dwight Bentel, Chairman, Division of Journalism. **239**
- June 24 to August 2—**SUMMER SESSION READING CLINIC** (Ed. 138S; 2 units; Ed. 217, 2 units; Psy. 218S, 3 units), once again will focus on the theme, "Johnny Can Read." The clinic will work with elementary and secondary school pupils who have reading difficulties or are especially handicapped. Participants will have opportunity to work for one hour a day with these pupils, under expert supervision. They will be encouraged to try new methods and techniques, and these will be evaluated by the professional staff. Information may be requested from William G. Sweeney, Chairman, Division of Teacher Education. **240**
- June 24 to August 2—**ENSEMBLE CLINIC AND MATERIALS WORKSHOP** (Mus. 184BS, 2 units). A study of materials for ensemble and solo, vocal and instrumental groups at both the elementary and secondary school levels. Opportunity will be given for discussion of problems dealing with materials and performance. Special concentration on vocal and instrumental materials for both small and large ensembles on the elementary and secondary levels will take place for three days, July 11 to 13, as well as in the six-week session. For information write Hartley D. Snyder, Head, Music Department. **241**
- June 24 to August 2—**WORKSHOP IN SPECIAL SECRETARIAL AREAS AND OFFICE MANAGEMENT** (Bus. 117S, 1 to 3 units). Teachers of secretarial training classes, student counselors, business majors, and in-service personnel may explore and analyze special secretarial areas and elements of office management with community leaders and specialists of national repute. The Santa Clara County Personnel Association, Legal Secretaries, Inc., National Secretaries Association, and other organizations are furnishing leadership in their respective areas under general sponsorship of the Division of Business. For information write Milburn D. Wright, Chairman, Division of Business. **242**
- June 24 to August 2—**NATIONAL SCIENCE FOUNDATION SUMMER INSTITUTE** (Biol. 251S and Phys. Sci. 251S, 3 units each). In co-operation with the National Science Foundation the college will conduct a program for the ninth and tenth grade teachers of general science, stressing new developments in the physical and

biological sciences. Field trips and lectures by prominent scientists will be part of the activity. The institute will grant a stipend to participants sufficient to cover a major part of the tuition, living costs, travel expenses. Registration limited to 50 students. For information write to Carl D. Duncan, Chairman, Natural Science Division. **243**

June 24 to August 2—SHAKESPEARE INSTITUTE (Engl. or Dr. 101S, 155S, 228S). Designed to interest a wide variety of people including not only teachers of literature and dramatics but lovers of Shakespeare generally. The Institute offers a six semester unit program; however, for those who cannot enroll in the entire program, a one-unit course, SHAKESPEARE FOR APPRECIATION is being provided. The full program includes a three-unit, two-section course in Shakespeare, one section for graduate, the other for undergraduate students; and a three-unit course in production culminating in the staging of two plays, *As You Like It* and *Macbeth*. For information write Dean of Summer Sessions, San Jose State College. **244**

June 24 to August 2—WORKSHOP IN BUSINESS EDUCATION (Bus. 292S, 3 units). An opportunity to study problems of the modern, growing high school business curriculum, with particular attention to the slow learner, ability grouping, development of new courses in clerical and distributive occupations, and the problems of general business, is offered in this workshop. There will be round-table discussions and published resource materials as well as visiting consultants to assist the participants. For information write Milburn D. Wright, Chairman, Division of Business. **245**

June 24 to August 2—WORKSHOP IN TEACHING THE MENTALLY RETARDED (Ed. 156S, 4 to 6 units). The education of the mentally retarded at the junior and senior high school level. It will be conducted in co-operation with the Bureau of Special Education, State Department of Education. Members will explore basic program organization, classification and testing, principles of curriculum and development, and other aspects of education for the mentally retarded. For information write William G. Sweeney, Chairman, Division of Teacher Education. **246**

July 7 to September 7—STUDY TOUR TO JAPAN (Soc. Sci. 180S, 8 units). A field study project to acquaint students with modern Japan and its economic, geographic and general cultural foundations. Intensive instruction is conducted during the two-week period of the ship's passage both to and from Japan. Eight units of credit are granted by the Social Science Department. For information, address Summer Sessions Office. **247**

July 15 to July 19—INSTRUCTIONAL TV CONFERENCE (Ed. 138S, 1 unit). Directed to school administrators, teachers, training officers, audio-visual specialists and others it will present a series of experts, local and national, who will review the progress of instructional television to date, the kinds and types of courses that can be or are now being produced on television, and demonstrate methods and equipment. Equipment and resource requirements both to produce and view instructional television will be considered. For information write Richard B. Lewis, Director of Audio-Visual Services. **248**

August 5 to August 16—SCHOOL ADMINISTRATION WORKSHOP (Ed. 225S, 3 units), will be of interest to superintendents, principals, supervisors and others who want up-to-date information on topics and problems of administering the program of an intermediate or junior high school. Experienced teachers, supervisors, and administrators wishing to work on problems of school finance, administration, planning and supervision will be given expert assistance. Field trips to outstanding school plants are planned. Information may be secured from Lowell G. Keith, Professor of Education. **249**

August 5 to August 16—WORKSHOP IN OCCUPATIONAL INFORMATION (Psy. 191S, 2 units). Major industries in the Santa Clara Valley are co-operating with San Jose State College in offering a unique opportunity to persons doing vocational counseling at the junior and senior high school and college levels. Such com-

panies as Owens-Corning Fiberglass, Food Machinery and Chemical Corporation, Ford Motor Company, General Electric, International Business Machines Corporation, Lockheed, Sears, and Westinghouse will make their plants available for a concentrated study of company organization, specific job needs and descriptions, personal qualifications, current critical needs and projected opportunities in clerical, skilled trades and technical positions, personnel policies, and plant tours. For information write Dean of Summer Sessions. **250**

August 5 to August 30—WORKSHOP ON SCIENCE IN THE ELEMENTARY SCHOOL PROGRAM (Sci. Ed. 251S, 4 units), conducted in co-operation with the California State Department of Education, is aimed at the improvement of science teaching in the social studies curriculum of the elementary school. It is intended to prepare a group of key people to give leadership in elementary science education in their communities. Participants will be given help in the selection and preparation of teaching materials, and opportunity to strengthen their own backgrounds in appropriate fields of science. Those interested in attending should ask their local school administrators to nominate them for participation. For information write Gertrude W. Cavins, Professor of Chemistry and Science Education. **251**

SCHOOL LUNCH MANAGEMENT WORKSHOPS. In co-operation with the State Department of Education, the college will again sponsor one-week school lunch workshops. For information, address Summer Sessions Office. **252**

STANFORD UNIVERSITY, Stanford, California

Summer Quarter: Eight weeks, June 24 to August 17, 1957

Summer Sessions: Four weeks, June 24 to July 19, 1957; July 22 to August 17, 1957

Tuition and Fees: Full-time (16 quarter units), \$250 per quarter

Half-time (limit 8 quarter units), \$140

Half basis (graduates only), 3 units for \$65 to 6 units for \$110

Workshops and Institutes: \$35 (2 quarter units); \$50

(3 quarter units); \$65 (4 quarter units); \$155 (9 quarter units), auditors, \$10 conference fee

Elmer C. Wagner, *Executive Secretary, Summer Quarter Committee*

June 24 to July 5—COLLEGE ADMISSIONS AND GUIDANCE WORKSHOP (Ed. 332w, 4 units, daily 9 to 4), will study current problems in preparing secondary school students for college and university. Topics will include review of the history of college admissions requirements and practices, current college admissions procedures, differing practices by various types of collegiate institutions, problems in guiding students to select the proper college, admissions with advanced credit and advanced standing, the uses of various aptitude-testing programs, the college preparatory course of study and the college scholarship service program. Open to counselors, administrators, and teachers doing guidance work. Admission is subject to the approval of the director, and enrollment is limited to 35. Applicants should submit statement of qualification to H. B. McDaniel, School of Education. **253**

June 24 to July 19—GUIDANCE WORKSHOP I (Ed. 339a, 8 units, daily 9 to 4). A comprehensive review of counseling theory and practice. Emphasis on achieving a practical synthesis among current schools of thought. Full discussion, individual consultation, examination of much written material, and individual assistance in developing plans for the task ahead. The workshop will join with the College Admissions and Guidance Workshop for the first two weeks. Open to counselors, administrators, and teachers who have had training and experience in guidance work. Admission subject to approval of the director. Enrollment limited to 35. Applicants should submit statements of qualifications to H. B. McDaniel, School of Education. **254**

June 24 to August 17—ASIATIC AND SLAVIC STUDIES—The Department of Asiatic and Slavic Studies is offering a full and varied program in the Summer Quarter of 1957. In addition to intensive language courses in Chinese and Russian, there are courses dealing with the literature, civilizations, and other subjects pertaining to China, India, Southeast Asia, and Russia, which do not have language requirements. The intensive courses in Chinese and Russian cover the same amount of work as in a normal year. Persons interested in taking them should get in touch with the Department of Asiatic and Slavic Studies. **255**

June 24 to August 17—PROGRAM FOR THE TEACHING OF SPANISH IN ELEMENTARY SCHOOLS, sponsored jointly by the Stanford School of Education and the Department of Germanic and Romanic Languages.

During the first five weeks all students will work on the Stanford campus, learning Spanish "from scratch" or refreshing their knowledge of Spanish, familiarizing themselves with the latest techniques of language instruction (including audio-visual methods), and participating in actual teaching practice. During the second five weeks, the participants will choose one of two alternatives: One group will fly with their instructors for three weeks in Guadalajara, to observe life in a Spanish-speaking community. Those participating must be over 21 years of age. Another group (those not wishing to go to Mexico) will continue their training on the Stanford campus for the final three weeks of the program.

Admission to the program is restricted to teachers and administrators in elementary schools or to holders of an elementary teaching certificate. Requests for further information may be addressed to A. M. Espinosa, Jr., Room 243, Stanford University. **256**

August 24 to August 17—SHELL MERIT FELLOWSHIP FOR HIGH SCHOOL SCIENCE AND MATHEMATICS TEACHERS (all classes meet daily; field trips to be arranged). A special program for high school science and mathematics teachers offered cooperatively by the School of Education and the Departments of Chemistry, Mathematics, and Physics. Enrollment limited to 45 teachers, living west of the Mississippi River, who are actively engaged in the teaching of high school chemistry, physics, or mathematics. Advanced registration is required. Applicants should submit statements of qualifications on approval form to Paul DeH. Hurd, School of Education. Those selected for the program will receive tuition, board and room in a University dormitory, a travel allowance, and a \$500 stipend. **257**

June 24 to August 17—STANFORD SUMMER RADIO-TELEVISION INSTITUTE. The Department of Speech and Drama offers an eight-week summer radio-television institute designed specifically for advanced training of talent in the fields of radio broadcasting and telecasting, and for the training of teachers in the utilization of radio and television as an educational medium. Emphasis will be upon the advanced training of people in radio, television and related fields who are preparing themselves for more responsible positions in the broadcasting and telecasting industry and upon the basic equipment of teachers in the utilization of radio and television programs and radio and television techniques for instructional purposes. The problems of television will be given special consideration. Further information may be secured from the Executive Head, Department of Speech and Drama. **258**

June 24 to August 17—WORKSHOP: MUSICAL THEATER PRODUCTION IN SCHOOLS (Music 285, 8 units, daily 10 to 12—Lauterer, Glowacki). Discussion and illustration of the problems that the teacher encounters in producing musical stage works. The course will be divided into sections dealing with the following matters: 1. The theory of staging in relation to music, illustrated by demonstrations in which the class will participate. 2. Special production problems faced by individual class members in their own schools. 3. Review and evaluation of musical shows available for school production. 4. Creating musico-dramatic programs for particular occasions during the school year.

The workshop will culminate in the actual production of an operetta rehearsed and directed by members of the class and sung by school children from the Palo Alto area. **259**

June 24 to August 17—WORKSHOP IN CREATIVE DRAMATICS AND PUPPETRY. Conducted under the auspices of the Department of Speech and Drama in conjunction with other schools and departments of the University. The work will include demonstration of leadership and practical participation by adults and children in creative dramatics and puppetry. Such experience will give opportunity for teachers and recreational leaders in the community to work with children in the development of the whole child. **260**

June 25 to July 20, July 22 to August 17—ANNUAL HISPANIC AMERICAN INSTITUTE. Most of the courses given in connection with the Institute may be taken for the first period or for the whole Summer Quarter. There will be ample opportunity for students to participate in Spanish-speaking groups. Further information may be requested from Hispanic American Studies, Room 255. **261**

July 1 to July 31—SUPERVISORY WORKSHOP (Ed. 340w, 9 units, daily 9 to 12). Designed for the beginning supervisor or the principal who is interested in the co-operative exploration of supervisory problems, techniques and practices. Extensive use will be made of the Stanford Elementary Demonstration School. The workshop will be directed by Fannie R. Shaftel, Associate Professor of Education, Stanford University. Associated with her will be Lois M. Stolz, Professor of Psychology, Stanford University, and a staff of consultants.

Enrollment is limited. Applicants should submit statements of qualifications to the Workshop Secretary, School of Education, Stanford University. **262**

July 1 through August 9—THE ELEMENTARY DEMONSTRATION SCHOOL will consist of classes in kindergarten and the elementary grades, serving the professional students and faculty of the School of Education for observation and demonstration of modern theory and practice in elementary education.

For selected students who wish to have a more intensive clinical experience in a modern elementary school, a special course, Ed. 243, GUIDED OBSERVATION IN THE DEMONSTRATION SCHOOL, 4 units, is offered. Enrollment in this class is limited. Applicants should submit statement of qualification to Workshop Secretary, School of Education by June 1. **263**

July 8 to August 7—SCHOOL BUILDING WORKSHOP (Ed. 325s, 9 units, daily 9 to 4).

This workshop will concern itself with major problems of school planning. The workshop will be oriented for the educator and designed to assist him in providing leadership in general and specific areas of school planning. Outstanding architects will make presentations, and field trips to new school buildings and buildings under construction will be made. Assistance will be provided for individuals who are desirous of working on their own local school building problems.

Enrollment is limited to 35. Additional information on content and enrollment procedures can be obtained from James D. MacConnell, School of Education, Stanford University, Stanford, California. **264**

July 15 to July 19—PACIFIC COAST ENGLISH CONFERENCE. The National Council of Teachers of English, the California Association of English Councils, the Department of English, and the School of Education will sponsor the Conference. The program will consist of lectures on the development of critical thinking through the teaching of English, in the secondary schools and colleges. There will also be small workshop groups in which the participants will be helped to relate conference presentations to their own teaching. **265**

July 2 to July 6—STANFORD BUSINESS CONFERENCE. Offered annually for executives of the Pacific Coast region who wish to continue indefinitely their education in business. A week's session of morning lectures, afternoon round tables, dinner meetings with prominent speakers. Further information on the conference is available from the Acting Dean of the School. **266**

July 29 to August 2—SCHOOL ADMINISTRATORS' CLINIC (Ed. 422c, 2 units, daily 9 to 4), will be attended by key public school administrators, chiefly superintendents of schools from the western region, on an invitational basis. Participants will concentrate on problems of their own selection, with pre-planning and clinic involvement undertaken by available and interested Stanford staff members

from various divisions of the University. The clinic will be under the direction of William R. Odell; and Finis E. Engleman, Executive Secretary of the American Association of School Administrators. **267**

July 22 to August 16—GUIDANCE WORKSHOP II (Ed. 339b, 8 units, daily 9 to 4), to give opportunity for professional guidance workers to extend technical skills, analyze current problems, and plan new activities. Extensive and intensive study of guidance practices, counseling techniques, and evaluative research. Open to directors and supervisors of guidance, full-time counselors, and others who have had extensive work in guidance or psychology. Admission is subject to approval of the director. Enrollment is limited to 35. Applicants should submit statement of qualifications to H. B. McDaniel, School of Education. **268**

July 29 to August 2—SCHOOL BUILDING INSTITUTE—PLANNING AND EVALUATING THE PHYSICAL FACILITIES FOR ELEMENTARY AND SECONDARY SCHOOLS, JUNIOR COLLEGES, AND INSTITUTIONS OF HIGHER LEARNING (Ed. 228, 2 units, daily 9 to 4). For school administrators, superintendents of physical plants, supervisors, teachers, architects, and representatives of manufacturers of school equipment, under the direction of James D. MacConnell. Major problems of school building facilities at all planning levels, recent research in the areas of education and industry; emphasis on co-operation among all planning personnel, including educational, technical, and other key groups. Special attention to school building codes as well as to master plans of schools in the community. Application for admission may be addressed to James D. MacConnell, School of Education. **269**

August 5 to August 16—WORKSHOP IN INTERGROUP EDUCATION (Ed. 211w, 4 units, daily 9 to 4), designed to explore the research, curriculum, and materials in intergroup education. Open to community leaders, school administrators, and teachers with prior experience in intergroup work or the equivalent in human relations activities. This workshop will have scholarship participants who will be sponsored by the National Conference of Christians and Jews. The director will be Herbert L. Seamans of the National Conference of Christians and Jews. Marie Fielder, Assistant Professor of Education, San Francisco State College, John Robinson, Associate Professor of Education, San Francisco State College, and Evelyn Schilling, Acting Instructor, School of Education, Stanford University, will serve as staff members. Enrollment is limited. Applicants should submit statement of qualifications to the Workshop Secretary, School of Education. **270**

August 19 to August 30—DRIVER EDUCATION WORKSHOP (Ed. H 397, 4 units, daily 9 to 4). Designed to prepare secondary school teachers to assume increasing responsibility in driver instruction. The nature of the traffic accident problem, organization and administration of school driver instruction programs, and methods of materials in driver instruction will be considered. Open to secondary school teachers and administrators with a responsibility in driver instruction. Scholarships are available to qualified candidates under the sponsorship of the Allstate Foundation. Applications for admission and for scholarships should be submitted to Marston Girard, School of Education. **271**

UNIVERSITY OF CALIFORNIA, School of Education, Berkeley 4

First Summer Session: Six Weeks, June 17 to July 27, 1957

Second Summer Session: Six Weeks, July 29 to September 5, 1957

Fees: \$54 per session

Gerald E. Marsh, Director of Summer Sessions

June 17 to July 27—DEMONSTRATION ELEMENTARY SCHOOL, will operate daily Monday through Friday during the First Summer Session, 9 to 12. Groups of children classified in kindergarten through grade six will be working at the school. (Children not now in kindergarten but who will be 5½ years old by July 1, will be accepted in kindergarten.) Housed through courtesy of the Berkeley Unified School District in the Whittier-University Elementary School, the dem-

onstration school will be a short distance from the campus at Virginia and Milvia street.

The school will offer daily demonstrations of modern elementary school learning situations and will be open to summer session students, especially those enrolled in courses in elementary education. In most cases observers will be scheduled through their classes in education, but persons not enrolled in the summer sessions may visit the school by arrangement with the school office upon payment of 50 cents for each visit.

Emphasis will be placed on a sound educational program. Considerable attention will be given to creative activities—art, music, physical education, dramatics, choral reading, rhythmic activities, games, etc.

The school enrolls children who live in the Bay Area and who come to the campus with their families for the summer, in order of receipt of application. Since the program is not of a remedial nature, it is not possible to accept applications from those children who have special school problems. It is important, therefore, that application for admission be made well in advance of the opening date of the school and directed to the Office of the Demonstration Elementary School, Whittier-University Elementary School, Virginia and Milvia streets, Berkeley 9. The fee is \$25 for the six weeks session, \$5 of which is payable at the time application is made.

Children may remain on the school playground in the afternoon under the direction of a supervisor who is provided by the Berkeley Recreation Department.

272

June 17 to July 27—ELEMENTARY EDUCATION WORKSHOP (133, 133A, 133G, and 133R, 2 units for each course). A study of problems in elementary education by means of group discussions, meetings, individual conferences, participation in creative activities, and observation in the Demonstration Elementary School. Opportunities for specialization in the preparation of curricula material. Emphasis upon the solution of individual problems brought to the workshop by participating teachers, superintendents, and elementary principals. Prerequisite: consent of the instructor. Enrollment limited to facilities available.

WORKSHOP IN ARITHMETIC, M.W.F., 8 to 10, Enoch Dumas.

WORKSHOP IN SOCIAL STUDIES, Tu.Th. 9 to 11, Mr. Grindstaff. Intended especially for in-service personnel who desire to work on the state-wide social studies program. Admission on consent of the instructor.

WORKSHOP IN READING, M.W.F., 10 to 12, Mrs. Carlson.

273

June 17 to July 27—WORK EXPERIENCE PROGRAMS IN BUSINESS EDUCATION (Ed. 161-C, 2 units). Work experience programs in merchandising, secretarial and clerical fields; objectives of co-operative training; promoting and establishing training programs; selection and placement of students; relations with co-operating business firms; organization of instructional material; problems of co-ordination, supervision, and evaluation. Enrollment is open to teachers of business subjects and others on approval of the instructor. William L. Crum, M.W. 6:30 to 9 p.m.

274

June 17 to July 27—EAST ASIA STUDIES. Two courses on the art and history of East Asia have been planned for the First Summer Session to make available to secondary teachers vital concepts and conclusions generally accepted by university experts on the Far East. In content, these courses will combine factual information about the various countries with a consideration of the traditions and values by which the thinking and attitudes of the peoples are molded. In method, the courses will include lectures, reports, discussions, and films. The instructors in art and history will be aided in their plans by a specialist in secondary education. In offering courses on the Far East especially designed for secondary teachers, the University of California is one of several major educational institutions to take the lead in meeting the growing interest and need for programs of this nature.

Other courses on the Far East will be offered in the departments of Economics, Geography, History, and Oriental Languages during the two summer sessions (June 17 to July 27—July 29 to September 7).

Students interested in such courses should write to the Director of Summer Sessions for information regarding them.

275

June 24 to August 16—**DEMONSTRATION SECONDARY SCHOOL** (eight weeks, 7:50 a.m. to 2:30 p.m. daily, for grades 7 to 12). The Demonstration Secondary School will be given with additional offerings for pupils in the lower grades in art and music. The school is housed in the Oakland Technical High School building in Oakland. Transportation is available on buses numbered 51, 52, 58 going from Berkeley, and on bus numbered 51 coming from the main business section of Oakland. Classes will be open daily for observation and for supervised teaching by students enrolled in Education S320A, and S323, or in other courses in education. Persons not enrolled in the Summer Sessions may visit the school upon payment of 50 cents for each visit.

High school students will be received from any school district, but it is necessary to arrange with the home school before entrance if credit for high school graduation is desired. Students may obtain semester credit for not more than three subjects. In addition to the usual academic courses, reading improvement, corrective composition, arts and crafts, manual arts, household arts, and vocal and instrumental music will be offered. Most of the activity subjects are open to teachers and to other adults.

Enrollment should be made by advance application to the principal, Karl Schevill, 225 Building T-8, University of California, Berkeley 4, California. Students may register and pay fees at Oakland Technical High School on Friday, June 21, from 8 a.m. to 4 p.m., and on Saturday, June 22, from 8 a.m. to 12 m. The fee, which is \$15 for each course, must be paid on registration day. **276**

July 30 to September 5—**CHILDREN'S RECREATION SCHOOL**, will be conducted at the Gymnasium for Men, Bancroft Way and Dana Street. The Department of Physical Education has made available its fields, gymnasium, and swimming pools during the morning hours from 9 to 12, Monday through Friday, for the purpose of offering a systematic program of instruction in recreational activities to children from 8 to 13 years of age. The activities proposed are as follows:

For Girls: swimming, dancing, archery, games, tennis, and handicraft.

For Boys: swimming, tumbling, archery, field sports, tennis, and handicraft.

Enrollment is limited. Applications received after the limit has been reached will be filed in the order of their receipt. This file will constitute a waiting list, and parents of children whose names are included thereon will be notified should an opening occur. Requests for application must be made in writing and will be accepted beginning January 2, 1957.

A fee of \$40 will be charged for each child. A deposit of \$15 is required at the time the application card is filed. The application cards are to be sent to the Cashier's Office, Room 107, Administration Building, University of California, Berkeley 4, California, accompanied by a money order or check for \$15 (checks should be made payable to the Regents of the University of California). This deposit will not be refunded upon withdrawal. The balance of \$25 must be paid on Monday, July 29, during the hours of 9 a.m. to 4 p.m. at the above specified office. The fee receipt is then to be presented at Room 197, Gymnasium for Men. Payment of the deposit reserves a place for the child's enrollment only up to Tuesday, July 30. Classes will begin on Tuesday, July 30, at 9 a.m.

Each child must have a medical examination within four days of the opening of the school. Parents are urged to make appointments for the examinations as soon as the applications are accepted. **277**

UNIVERSITY OF CALIFORNIA, Davis

Special Summer Session: July 1 to August 10, 1957

Fee: \$60 per session

S. S. Sutherland, Chairman, Department of Education, in charge

(Address inquiries to Howard B. Shontz, Registrar, Davis Campus)

Regular summer sessions offering courses for advanced undergraduates and graduates will be conducted June 17 to July 27 and July 29 to September 7.

The Special Summer session is designed to provide upper division and graduate courses in agriculture and education for interested agricultural students, vocational

agricultural teachers, and agricultural extension personnel who wish to keep abreast of developments in their fields and to progress toward degree objectives. Courses to be featured include the following:

July 1 to August 10—SEMINAR IN VOCATIONAL EDUCATION (Ed. 5260, 2 units). Ralph Bender, Chairman of the Department of Agriculture Education, Ohio State University, will conduct the seminar. **278**

July 1 to August 10—GROUP LEADERSHIP AND GROUP DYNAMICS (Ed. S198, 2 units). D. M. Hall of the University of Illinois will teach this course for advanced students. **279**

UNIVERSITY OF CALIFORNIA, 405 Hilgard Avenue, Los Angeles 24

Summer Sessions: Six Weeks Session, June 24 to August 7, 1957

Eight Weeks Session, June 24 to August 16, 1957

Fees: Six weeks, \$60; eight weeks, \$80

Charles Spononi, Director of Summer Sessions

June 24 to August 2—FIELD TRAINING IN ARCHAEOLOGY (197, 4 units). Introduction to archaeological field methods, involving participation in actual site excavation. Recording and mapping of archaeological sites; photography; recovery of archaeological specimens; cataloging, preservation, and restoration of archaeological finds; archaeological records and reports. Prerequisite: consent of the instructor. To be conducted in the field, not on the campus. Henry B. Nicholson. **280**

June 24 to August 2—SPECIAL PROBLEMS IN ANTHROPOLOGY (S199, 1 to 4 units). Prerequisite: consent of the instructor. Hours to be arranged. William A. Lessa. **281**

June 24 to August 2—GRADUATE FIELD TRAINING IN ARCHAEOLOGY (297, 4 units). Administration of archaeological field work; practical problems in stratigraphy and seriation based on material recovered in the field; preparation of archaeological reports for publication. Each student will be expected to undertake an individual project, either in analyzing field collections from the major excavation or in supervising the excavation and reporting of smaller sites in the region. Prerequisite: graduate standing. Anthropology S197 or its equivalent, and consent of the instructor. Courses limited to graduate students. To be conducted in the field, not on the campus. Hours to be arranged. Henry B. Nicholson. **282**

June 24 to August 16—SPECIAL COURSES IN SCIENCE AND MATHEMATICS (supported by the National Science Foundation). To further the purpose of assisting in the maintenance of scientific and technical leadership by this country, the National Science Foundation is supporting numerous institutes and summer session course offerings across the country. At the University of California, Los Angeles, this takes the form of support of special graduate courses in chemistry, life sciences, mathematics, and physics, designed primarily for high school teachers.

A program of grant-in-aid stipends is also being provided by the National Science Foundation for teachers who take these courses. For details of this program address Dean William G. Young, Department of Chemistry, University of California, Los Angeles 24. **283**

June 24 to August 16—FUNDAMENTAL MATHEMATICAL CONCEPTS (270, 3 units). This course is designed primarily for high school teachers of mathematics. It is supported by National Science Foundation funds, and a limited number of National Science Foundation stipends are available for teachers taking the course.

Number concepts, congruences, fields, groups, determinants and matrices, and other topics which will be of value to the teacher of secondary mathematics. Prerequisite: consent of instructor. M.Tu.W.Th.F. 9 (additional hours to be arranged). Clifford Bell. **284**

June 24 to August 2—METHODS OF TEACHING GENERAL BUSINESS AND MERCHANDISING (S370C, 2 units). A study of the devices, methods, and materials used in teaching general business and merchandising subjects. Emphasis placed on study of correct practices, objectives, teaching aids, testing, and evaluation of instructional materials. M.Tu.W.Th.F. 10. Richard S. Perry. **285**

June 24 to August 2—METHODS OF TEACHING OFFICE PRACTICE (370D, 2 units). The methods, course content, and materials used in teaching of office practice on secondary and collegiate levels. Organization of laboratories and development of standards, instruction sheets, objectives, teaching aids, and courses of study included. Prerequisite: course 112 or equivalent. M.Tu.W.Th.F. 11. Lucille Parker. **286**

July 1 to August 9—DEMONSTRATION SCHOOL. Nursery school, kindergarten, and grades one to six, will be maintained during six weeks of the eight-week summer session for the purpose of demonstrating the functions and operation of a modern elementary school. The school activities may be observed by teachers, supervisors, administrators, and others enrolled in summer session classes. Such observation will form the basis of conferences and discussion. **287**

June 24 to August 2—CLINICAL SCHOOL. Conducted by the Department of Psychology for children and adults of normal intelligence who have difficulty with reading, mathematics, or other school subjects. Members of the class in Psychology S167B, Laboratory and Remedial Techniques, will be given opportunity to learn the application of remedial techniques in basic school subjects by observation and supervised participation in the classrooms. **288**

June 24 to August 16—SUPERVISION OF THE EXPERIENCE PROGRAM IN THE ELEMENTARY SCHOOL (132, 4 units). For principals, general supervisors, supervisors of student teachers, and classroom teachers interested in supervision. The meaning and practices of the experience program through guided observations in the Demonstration School; actual practice in the use of supervisory techniques with group evaluation; practice in critical analysis of learning experiences; study of needs of teachers and student teachers and the planning of ways and means of satisfying these. Prerequisite: course 131A or equivalent. Tu.Th. 2 to 4. Observation 9 and 10 daily in Demonstration School. Corinne A. Seeds. **289**

June 24 to August 16—SUMMER FIELD COURSE (101, 4 units). One week of lectures, followed by a seven-week cruise at sea. Students will participate actively in the field work in the subject of their special interest: physical, geological, geophysical, or chemical oceanography. Open on application only. Prerequisite: completion of at least junior year in geology, geophysics, chemistry, geochemistry, oceanography or closely allied subjects. **290**

June 24 to August 16—ADMINISTRATION AND SUPERVISION OF DISTRIBUTIVE EDUCATION (S166DE, 3 units). Development, philosophy, and objectives of work experience programs in business education, with special emphasis on supervisory techniques and co-ordination of training. For co-ordinators and instructors of high school and junior college programs. M.W. 1 to 3:30. **291**

June 24 to August 2—SUMMER THEATER WORKSHOP (159CDE, 6 units). Practice in and observation of the complete operation of a summer theater on a semi-professional level. Participation in the production and performance of three full-length plays for the general public. Prerequisite: departmental consent, 2 units for each part. The three parts of this course must be taken concurrently. Students will not be permitted to carry more than 6 units of work in the six-week summer session. M.Tu.W.Th.F. 1 to 5, and other laboratory hours to be arranged.

Section 1: Walden Boyle, G. Edward Hearn, Melvyn Helstien

Section 2: Patricia Hungerland, John H. Jones, Willard F. Bellman

Section 3: Ralph Freud, Horace W. Robinson, Charles Schulte **292**

June 24 to August 2—DEMONSTRATION OF FUNDAMENTAL PHYSICAL PRINCIPLES: FRONTIERS OF PHYSICS (270, 2 units). This course and its companion course 270C are designed for teachers of science in the secondary schools. They are supported

by National Science Foundation funds, and a limited number of National Science Foundation stipends are available for teachers taking the pair of courses. Stipend holders must take both courses (270 and 270C). Course 270 is open to qualified students who are not stipend holders.

(a) **Demonstration of Fundamental Physical Principles:** A series of demonstration lectures in which a sequence of significant demonstrations will be presented, selected for their value in making clear certain fundamental principles of physics in an intriguing, thought-provoking way. The demonstrations will be accompanied by carefully reasoned and presented portions of fundamental physics. The demonstrations' connection with and place in the total pattern of classical physics will be indicated—also their contribution to the new physics—the frontiers of physics discussed in the special lectures. Lectures, M.Tu.Th., 11:15 to 12:30.

(b) **Special Lectures—Frontiers of Physics:** Each lecture will be given by an authority in his field, presenting a concise summary of the most recent work in a specific area of pure or applied physics, e.g., quantum mechanics, optics and spectroscopy, acoustics, nuclear physics, geophysics, meteorology. Lecture, W. 11. Prerequisite: consent of the instructor. Julius S. Miller and Staff. **293**

June 24 to August 2—DEMONSTRATION LABORATORY (270C, 2 units). Because of limited facilities, enrollment in this course will be strictly limited. Qualifications of applicants will be considered carefully in determining acceptance.

In a laboratory in which methods of constructing demonstration apparatus will be given, the students will actually build demonstration equipment under the supervision of the instructor of course 270, a laboratory assistant, and trained shop personnel. Only a limited number of pieces will be constructed by each individual, but the methods will be mastered for designing and building simple but accurate, demonstration equipment on the most restricted budgets. Each student will spend 12 hours a week in the laboratory, scheduled individually to suit room capacity and the student's schedule. Prerequisite: consent of the instructor. **294**

UNIVERSITY OF CALIFORNIA, Santa Barbara College, Goleta

Summer Session: June 24 to August 2, 1957 (six weeks)

Fee: \$60 for the session (6½ units maximum)

Elmer R. Noble, Acting Provost, in charge

Address inquiries to Registrar

The general summer session program offers instruction in all the regular departments of instruction, including work toward the following teaching credentials: elementary, kindergarten-primary, junior high, general secondary, and special secondaries. Dormitory type housing and meals available on campus or in private homes and apartments in Santa Barbara.

SPANISH COLONIAL ARTS is the theme of an integrated program of several departments to be offered as part of the Summer Session. Courses in each area of the arts and the culture of the 16th to 18th centuries Spanish Colonial America will be augmented with field trips, concerts, plays and exhibitions, taking full advantage of the cultural opportunities in Santa Barbara. Several distinguished guest lecturers will take part. The final week will be supplemented by the conference of the Spanish Colonial Arts Society of New Mexico to which the symposium class will be invited. **295**

June 24 to August 2—DEMONSTRATION SCHOOL, at Adams School in Santa Barbara, 10 miles from the campus, for classes in kindergarten, grades one through six, and in special subjects. Fee for pupil enrollment, \$15 for six weeks. Open for observation by summer session students in courses in early childhood and elementary school curriculum. **296**

A SPECIAL ROOM FOR REMEDIAL WORK will be organized at Adams School, Santa Barbara, for children who have difficulties in reading, spelling, arithmetic, or speech. Special instruction will be given to small groups for one hour daily

during the summer session. Fee for attendance one hour daily, \$15. Enrollment of pupils in this class will be based upon recommendations by the guidance department of Santa Barbara Public Schools, or of the chairman of the College Department of Education. Opportunity will be offered to a limited number of summer session students to participate as teachers in this remedial instruction.

297

July 1 to July 19—SOCIAL STUDIES CURRICULUM WORKSHOP (Ed. XSB 239, 3 units). Study and analysis of the social studies program in California with particular emphasis on each phase of the K-14 program—elementary, secondary, and junior college. This workshop is offered in co-operation with the California State Department of Education, the State Central Committee on Social Studies, and the Department of Education, University of California, Santa Barbara College. Tuition, \$55. Board and room will be available for participants and their families in ultra-modern Santa Rosa Residence hall. For more information, write to John S. Carroll, Director, Social Studies Workshop, University of California, 129 E. Carrillo Street, Santa Barbara.

298

August 5 to August 17—Twenty-Fifth ANNUAL INSTITUTE OF NATURE STUDY AND CONSERVATION (Biol. Sci. X 180; 2 units). Field classes in seashore life, native birds, elementary science methods, rocks and minerals, western trees, native plants, astronomy, ecology, and conservation, conducted by faculty of the University of California, Santa Barbara College, and staff members of the Santa Barbara Museum of Natural History and the Santa Barbara Botanic Garden. Fee, \$35. Address inquiries to University of California Extension, 129 E. Carrillo Street, Santa Barbara.

299

August 18 to August 24—Second Annual FOLK DANCE CONFERENCE (Phys. Ed. X 148B; 1 unit). Instruction at elementary, intermediate and advanced levels in dances of Mexico, Spain, England, Argentina, Germany, Yugoslavia, Poland, Austria, Switzerland, Czechoslovakia, and other nations. Of particular interest to teachers are the classes in methods and materials for teaching folk dancing to children and adults, and the sessions on ways of integrating folk dancing with social studies units. Board and room will be available for participants and their families in ultra-modern Santa Rosa Residence hall. Tuition fee, \$25. For more information, write to University of California Extension, 129 E. Carrillo Street, Santa Barbara.

300

UNIVERSITY OF REDLANDS

First Summer Session: June 24 to July 26, 1957

Second Summer Session: July 29 to August 30, 1957

Fees: \$20 per semester unit; registration \$5

Vernon O. Tolle, Director of Summer Sessions

June 24 to July 5—WORKSHOP IN CHILD-PARENT-TEACHER RELATIONSHIPS (2 units). A practical workshop in the development of understanding between home and school, based on the experiences of many parents and teachers working together.

301

June 24 to July 26—DEMONSTRATION ELEMENTARY SCHOOL, for the fifteenth consecutive summer, will provide opportunity for observation of modern teaching techniques in kindergarten and grades one to six, and for discussion of observed procedures with the demonstration teachers. Various summer courses will be correlated closely with the DEMONSTRATION SCHOOL program. College students who may wish to enroll their own children in the school should send their applications to Vernon O. Tolle, not later than June 1, 1956.

302

June 24 to July 26—STUDENT TEACHING (Ed. 309S, High School, 3 units).

303

July 8 to July 26, July 29 to August 9—WORKSHOPS ON TEACHING SCIENCE IN THE ELEMENTARY SCHOOL (Ed. 138A, 2 or 3 units; 138B, 2 units). Covers both natural and physical science, offering suggestions for utilizing science materials brought

into the classroom by pupils, and for incorporating science into social studies units; collection and care of living plants and animals, arrangement and display of materials, making simple equipment, and demonstration of simple scientific facts. Offered during last three weeks of first session, repeated first two weeks of second session.

304

July 29 to August 9—WORKSHOP IN AUDIO-VISUAL EDUCATION (Ed. 189, 2 units).

Theory, demonstration, and practice; development of technical skill, understanding of classroom applications of audio-visual methods and technical skill in specific grades and subjects; presentation of a culminating activity or project in demonstration of competence in planning, organization, execution, and evaluation in this area. Open only to students who are classroom teachers or who will teach in 1957-58.

305

July 8 to July 19—WORKSHOP ON CURRENT TRENDS IN EDUCATION (Ed. 243, 2 units).

A forum workshop with daily addresses by guest speakers followed by discussions by panels of students. Conducted during the third and fourth weeks of the first summer session, 2 to 4:40.

306

June 24 to July 5—WORKSHOP FOR STUDENT GOVERNMENT COUNSELORS. The workshop will demonstrate how the counselor will need to work with the following committees: assemblies, grounds, noon-hour, budget, clubs, athletic, forensic, publications, music, curriculum, promotions, and school spirit.

In the workshop, the student government counselor will have opportunity to determine his proper function and responsibilities. In a general way the workshop will attack the problems from these angles: participation in planning with the student council; interpreting student council to administration or faculty; service as an expeditor for the council; becoming a resource expert; acting as a personal counselor; inspiring the council toward school improvement; and evaluating the effectiveness of the program.

Kenneth P. Bailey, Principal of the Pacific High School, San Bernardino, California, will be the instructor in charge. He has had much practical experience in this area of education, and is currently working intensely in this field in his own school. Pacific High School will be in session during this workshop period. Dr. Bailey plans to use his own school as a laboratory for this offering.

Those wishing to be members of this group should register for Education 245, 2 units.

307

June 24 to July 6—WORKSHOP IN SOCIAL STUDIES (Ed. 175, 2 semester hours of upper division credit. Graduate credit may be earned by those officially admitted to the University of Redlands to do graduate work in education).

This is one of 18 workshops sponsored by the State Central Committee on Social Studies in co-operation with colleges and universities in California. "What is Next in Social Studies?" is the question on which attention will be focused. Instructional content, kindergarten through junior college, will furnish the substance of the study. Consideration will be given to: (1) progress to date in the five-year study, based on reports and materials distributed by the State Central Committee on Social Studies; (2) review of conclusions reached in the regional conferences of 1956 on social studies concepts; (3) the question of inclusion of additional content items in the curriculum; and (4) the design of the over-all program.

Resource persons from the State Department of Education assigned to augment the University of Redlands staff are: Herbert Gwinn, for June 24 to June 28; and Mrs. Afton Nance, for July 1 to July 5. It is anticipated that Wilhelmina Hill of the U. S. Office of Education will schedule one day in Redlands in her tour of the workshops.

Conclusions reached in this discussion by teachers, supervisors, and administrators regarding the content of the social studies program will be reported to the State Central Committee on Social Studies.

The tuition charge is \$40 plus a registration fee of \$5.

Lester H. Phillips, Director of the Division of Social Science, University of Redlands, Redlands, California, will be in charge of this workshop. Inquiries concerning further details should be directed to him.

308

UNIVERSITY OF SAN FRANCISCO, San Francisco 17

Summer Session: June 24 to August 2

Fees: \$12 per semester unit

Paul J. Harney, S.J., Director

June 24 to August 2—WORKSHOP ON PLAY PRODUCTION (Educ. (Speech) 49-149, 4 semester units). The workshop is being conducted to provide an opportunity for students of the theatre to develop their abilities through supervised work on actual play productions. The program is designed to aid persons already engaged in play production or persons who desire to learn theatre techniques. All methods will be pointed toward the achieving of dramatic unity through co-ordination of production areas. **309**

July 8 to July 26—SPECIAL COURSE IN CHILDREN'S LITERATURE (Educ. (English) 132, 3 units). Offered by Doris Gates, well-known children's author, librarian, editor and lecturer.

The purpose of the course will be to present the scope and value of children's literature, considering it as literature and therefore worthy of serious study; its value in character training, its power to stimulate imaginative growth, and its place in the elementary classroom. Special emphasis will be placed on fanciful literature, myth and legend, and all categories of children's literature will be covered. Tuition, \$40 (If this course is taken with ADOLESCENT LITERATURE, the tuition for both courses will be \$75). Registration limited. 9 to 11:30. **310**

July 8 to July 26—SPECIAL COURSE IN ADOLESCENT LITERATURE (Educ. (English) 128, 3 units). Offered by Howard Pease, author of 20 books for boys.

This course is designed to help the teacher and librarian in her work with young people, grade seven through high school. Criteria for evaluating literature for adolescents in relation to their reading interests and needs; techniques of reading guidance for young people in and out of school; trends in adolescent literature, and study of symbolism, fairy tales up through Hemingway, will come up for discussion. Tuition, \$40 (if this course is taken together with CHILDREN'S LITERATURE, the tuition for both courses will be \$75). Registration limited. **311**

July 15 to July 26—WORKSHOP IN READING (Educ. 1996, 2 units). Offered by Mary V. Bourke, widely experienced in this field.

Purpose is to acquaint teachers with the problems confronting instructors of children who are below grade-placement level; to give knowledge of the texts necessary to arrive at the reading level of each child in a given grade; to provide those materials for the teachers who help the child to improve his reading. Tuition, \$27. 1:30 to 4:20. **312**

UNIVERSITY OF SOUTHERN CALIFORNIA

University Park, Los Angeles 7, California

Summer Sessions: Six Weeks Session, June 24 to August 2, 1957

Post Session, August 5 to August 30, 1957

Tuition for teachers: 1 to 3 units, \$20 per unit; 4 or more units, \$18 per unit

All freeways lead to the University

John D. Cooke, Dean of the Summer Session

June 24 to August 2—CINEMA WORKSHOP (Cinema 481abL). Practical experience in all phases of motion picture productions. Primarily for nonmajors. Directed by Nicholas Read. **313**

August 5 to August 30—CLASS PIANO WORKSHOP (Mus. P495). The School of Music offers the workshop during the post session under the direction of Fay Frisch. Demonstrations will be given with groups of children and young adults from elementary through high school age and from beginning to advanced levels.

The workshop will include observation and study of group dynamics in the piano class, personality changes through participation, keyboard experience applicable to classroom music, experiments in music reading and ensemble playing, and an analysis of music instruction material.

The workshop is open to all who wish to familiarize themselves with the principles of group teaching. Course should be taken concurrently with Teaching of Class Piano for better appreciation of lectures and demonstrations. **314**

June 24 to August 2—AUDIO-VISUAL MATERIALS IN RELIGIOUS EDUCATION: CLASSROOM USE OF AUDIO-VISUAL MATERIALS (Ed. AV 477). RESEARCH AND THEORY IN AUDIO-VISUAL EDUCATION (Ed. AV 577). EVALUATION OF AUDIO-VISUAL MATERIALS (Ed. AV 479). The University of Southern California with the co-operation of Cathedral Films Incorporated, announces the creation of 15 scholarships, each worth \$220 for six weeks of graduate study at the University. The scholarships include tuition of \$120 for six units, plus \$100 living or travel expense. The workshop is designed especially to meet the needs of advanced seminary students and graduate seminary students in charge of religious education programs. **315**

June 24 to August 2—ART WORKSHOP FOR ELEMENTARY TEACHERS II (Fine Arts 511). Advanced research in individual and group art study projects. Directed by Mildred Taylor. **316**

June 24 to August 2—WORKSHOP IN BUSINESS EDUCATION (Ed. Bu. 563). Problems in general and vocational business education; group conferences; individual and group projects; laboratory and field experience. **317**

June 24 to August 2—DRIVER EDUCATION WORKSHOP (Ed. PH. 536). Advanced workshop covering Motor Vehicle Law, juvenile delinquency and the automobile; handling of juvenile violators by law enforcement and the courts; advanced driver training techniques, sociological aspects of driving, student licensing procedures; and audio-visual and other teaching techniques. Prerequisite: basic course or workshop in driver education. Directed by Cecil G. Zaun.

Through the assistance of the Allstate Foundation a number of tuition scholarships are available. Applications should be addressed to the Dean of the Summer Session. **318**

August 5 to August 16—DRIVER EDUCATION SEMINAR. Will include a thorough analysis of the objectives of driver education and training and the meeting of these objectives through the instructional program. Problems relating to the instructional program will receive major emphasis. Consideration will be given to administrative problems in discussions and to tests and supplementary materials. Emphasis will be placed upon behind-the-wheel instruction. Conducted by Marland K. Strasser, Field Representative, Accident Prevention Department, Association Casualty and Surety Companies. **319**

June 24 to July 12—HEALTH EDUCATION WORKSHOP (Ed. PH. 580). The school health curriculum in relation to community health needs. Designed for administrators, elementary and secondary school teachers, health educators, and nurses, the workshop will be under the direction of Blanche Bobbitt, Supervisor of Health Education, Los Angeles Public Schools; and Earl L. Wallis, Instructor in Physical Education. Through the generosity of several community health services a number of \$100 scholarships will be given. Application should be made to the Dean of the Summer Session. **320**

June 24 to July 12—WORKSHOP IN SOCIAL STUDIES CURRICULUM (Ed. El. 527) in co-operation with the California State Department of Education for upgrading of social studies as an area of public school curriculum. **321**

June 24 to August 2—WORKSHOP IN TEACHING SCIENCES (Ed. El. 517) for elementary school teachers will be a special feature of the Summer Session offerings in Education.

The workshop, under the direction of Walter A. Thurber of Teachers College at Cortland, New York, will feature preparation of scientific materials for use in the classroom and new developments in teaching science. **322**

- August 5 to August 16—**WORKSHOP FOR CORE TEACHERS** (Ed. Se 553, Curriculum Laboratory, Post Session). Designed to give methods, materials, objectives, and content for teaching block, unified, or core courses in junior, senior, and four-year high schools. Afternoons only. Two units graduate credit. Those wishing to work for four units in this program may pursue related, individual studies if registered for Ed. Se 555. Practicum in Secondary Education. **323**
- July 22 to August 2—**WORKSHOP IN WORK EDUCATION** (Ed. Se 553, Curriculum Laboratory. Group study of work experience education as begun in five Santa Barbara County high school pilot studies three years ago. Includes work with the professions as well as other occupational areas. Afternoons only. **324**
- June 24 to August 2—**FAMILY LIFE EDUCATION** (Ed. Se 560 and Sociology 489). Materials and methods for the direction of learning activities in the fields of sex education and family life. For high school and junior college teachers. Arthur R. Mangus. **325**
- June 24 to August 22—**NEWSPAPER WORKSHOP FOR HIGH SCHOOL STUDENTS** (Journalism 025). Publication problems: developing ideas, copyreading, makeup, advertising. Reporting for Summer News. Guest lecturers, field trips. **326**
- June 24 to July 19—**RADIO-TELEVISION WORKSHOP FOR HIGH SCHOOL STUDENTS** (Telecommunications 025). **327**
- June 24 to August 2—**WORKSHOP IN HIGH SCHOOL FORENSICS** (Speech 025). Debate, discussion, extemporaneous speaking, oratory, and interpretation. Lecture and laboratory experience. **328**
- June 24 to August 2—**THEATER WORKSHOP FOR HIGH SCHOOL STUDENTS** (Drama 025). Practical work in acting and staging plays for public performance. Open to qualified high school drama students and recent high school graduates. **329**

WHITTIER COLLEGE, Whittier

First Summer Session: June 24 to August 2, 1957

Second Summer Session: August 5 to August 30, 1957

Tuition: \$14 per unit, undergraduate; \$15 per unit, graduate

Harold F. Spencer, *Dean and Director of Summer Sessions*

- June 24 to August 2—**READING CLINIC**. Children of all ages will be enrolled to receive assistance in the improvement of their reading. Advanced and beginning student clinicians will have the opportunity to do corrective work under supervision. Leila Armstrong, director. (Will also be given during second session, August 5 to August 30.) **330**
- June 24 to August 2—**SPEECH AND HEARING CLINIC**. Approximately 50 children and adults will be enrolled to receive clinical assistance in correction of speech and hearing defects. Advanced and beginning student clinicians will have the opportunity to do corrective work under supervision. Lester Harris, director. **331**
- June 24 to August 2—**SUMMER DEMONSTRATION KINDERGARTEN**. Operated in Broad-oaks School on Whittier campus. Kindergarten Curriculum and Methods will be offered by Veola Neely, instructor, and School Orientation-Supervised Observation will be offered by John Bright, instructor. **332**
- June 24 to August 2—**WORKSHOPS IN SCHOOL ADMINISTRATION**:
- June 24 to July 5—**PUBLIC SCHOOL FINANCE AND BUSINESS ADMINISTRATION** (2 units), Chester Gilpin, Assistant Executive Secretary, Southern Section, California Teachers Association, instructor. **333**
- July 8 to July 19—**ORGANIZATION AND ADMINISTRATION OF THE ELEMENTARY SCHOOL** (2 units), Norman O. Tallman, Assistant Superintendent of Instruction, Montebello Unified School District, instructor. **334**

- July 22 to August 2—FEDERAL, STATE, COUNTY AND DISTRICT SCHOOL ORGANIZATION (2 units), Paul H. Demaree, District Superintendent, Anaheim Union High School District, instructor. **335**
- July 1 to July 3—Twenty-Third INSTITUTE OF INTERNATIONAL RELATIONS. Conducted under the auspices of the American Friends Service Committee. Authorities from this country as well as from abroad will participate. **336**
- August 5 to August 30—SUMMER DEMONSTRATION IN NURSERY SCHOOL. Operated in Broadoaks School on Whittier Campus. Directed Teaching in Nursery School and School Orientation-Supervised Observation will be offered by Lois Beebe Sword, instructor. **337**
- August 5 to August 16—TEACHING OF READING (2 units), Russell G. Stauffer, Director of the Reading-Study Center, University of Delaware, instructor. **338**
- August 19 to August 30—CURRICULUM AND METHODS IN ELEMENTARY SCHOOL SCIENCE (2 units). **339**
- August 26 to August 30—WORKSHOP IN RELIGIOUS CHORAL MUSIC (1 unit). Consideration will be given to modern composition, repertoire, use of the organ, techniques of conducting, and the singing of choral literature. Eugene Riddle, instructor. **340**

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Departmental Communications

OFFICE OF THE SUPERINTENDENT OF PUBLIC INSTRUCTION

ROY E. SIMPSON, *Superintendent*

REGULATIONS ADOPTED BY SUPERINTENDENT OF PUBLIC INSTRUCTION

Approval of Replacement Allowances on School Busses. The Superintendent of Public Instruction, acting under the authority of Education Code Section 7013, added Section 1305 to Title 5 of the Administrative Code, relating to replacement allowances on school busses, to read as follows (effective April 17, 1957):

1305. Whenever an application for replacement allowance on a school bus has been approved and such school bus has not actually been replaced within a period of twelve full calendar months succeeding the approval date the application shall be void.

County School Service Fund. The Superintendent of Public Instruction, acting under the authority of Subdivision (i) of Section 7002 of the Education Code, amended Section 1510 of, and added Article 9 to Subchapter 7 of Chapter 1 of Title 5 of the California Administrative Code, relating to the County School Service Fund (effective April 17, 1957).

Attendance Accounting in Child Care Centers. The Superintendent of Public Instruction, acting under the authority of Education Code Section 19602.3, amended subsections (b) and (d) of Section 144.2 of Title 5 of the California Administrative Code, relating to attendance accounting in child care centers, as follows (effective April 17, 1957).

144.2. (b) A Record of Absence Due to Illness or Quarantine. Absence due to illness or quarantine when properly verified is allowable as attendance for the number of hours per day for which the child is normally enrolled. Absence due to illness or quarantine shall be:

- (1) Verified not less than weekly.
- (2) Verified in accordance with Section 12 of this title.
- (3) Recorded daily, in the manner provided in Section 13 and, after verification, identified as therein required.
- (4) Hours of absence due to illness which shall be computed to the nearest hour for each child on a daily basis or, where central attendance accounting records are maintained, they may be computed to the nearest hour for each child on a weekly basis.

(d) Apportionment Hours. Hours credited for apportionment purposes shall be the sum of the hours of attendance computed for each child to the nearest hour on a daily basis or, where central attendance accounting records are maintained, they may be computed to the nearest hour for each child on a weekly basis, and the hours of verified absence due to illness.

Note: The text of the sections of the California Administrative Code which were amended or added as noted in the preceding paragraphs will be published in the California Administrative Register. These will be reprinted as usual by the State Department of Education for distribution to superintendents of schools, other school and state college personnel, and other holders of the departmental edition of Title 5.

BUREAU OF TEXTBOOKS AND PUBLICATIONS

IVAN R. WATERMAN, *Chief*

ADDITIONS TO STATE LIST OF HIGH SCHOOL TEXTBOOKS

NEW BOOKS

The following books have been added to the official state list of high school textbooks since publication of the April, 1957 issue of *California Schools*.

GUIDANCE, ORIENTATION, AND PERSONALITY DEVELOPMENT

		New	Prices Exchange
Mahoney & Engle, <i>Points for Decision</i> (1957).....	World	\$3.27	\$3.19

HEALTH AND HYGIENE

Brownell & Williams, <i>Health of Our Nation: The Human Body, How It Is Built and How It Works</i> (1956).....	American	1.86	1.82
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MATHEMATICS

Arithmetic and General Mathematics			
Brueckner, Grossnickle & Bedford, <i>Winston Junior High School Mathematics, Book III</i> (1956).....	Winston	2.21	2.15
Geometry			
Schacht & McLennan, <i>Plane Geometry</i> (1957).....	Holt	3.07	2.99

SCIENCE

Advanced Science			
Brooks & Tracy, <i>Modern Physical Science</i> (1957).....	Holt	3.58	3.49
Physics			
Elliott & Wilcox, <i>Physics—A Modern Approach</i> (1957)	Macmillan	4.10	4.00

SOCIAL STUDIES

World History			
Brinton, Christopher & Wolff, <i>A History of Civilization, Volume I</i> (1955).....	Prentice	5.40	5.26

VOCATIONAL AND TECHNOLOGICAL TRAINING AND INDUSTRIAL ARTS

Miscellaneous		New	Prices Exchange
Bast, <i>Modernizing and Repairing Upholstered Furniture</i> (1956)	Bruce	\$2.55	\$2.15

REVISED EDITIONS

The following revised editions have been placed on the official state list of high school textbooks since publication of the April, 1957, issue of *California Schools*, to replace editions previously listed.

BUSINESS		New	Prices Exchange
Business Arithmetic			
Ervin, <i>Arithmetic for Business Use</i> , third edition (1952)	Rowe	\$2.24	\$2.10
Business English			
Reigner, <i>English for Business Use</i> , second edition, revised (1957)	Rowe	2.21	2.07
Business Law			
Lavine & Mandel, <i>Business Law for Everyday Use</i> (1956)	Winston	3.04	2.96
Typewriting			
Reigner, Rygiel & White, <i>Rowe Typing</i> , third edition (1955)	Rowe	2.18	2.04

GUIDANCE, ORIENTATION, AND PERSONALITY DEVELOPMENT

Burnham, Jones & Redford, <i>Boys Will Be Men</i> , third edition (1957)	Lippincott	3.20	3.12
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MATHEMATICS

Algebra			
Snader, <i>Algebra: Meaning and Mastery</i> , Book One (1956)	Winston	2.11	2.06

SOCIAL STUDIES

History, United States			
Harlow & Miller, <i>Story of America</i> (1957)	Holt	3.74	3.65
Moon & MacGowan, <i>Story of Our Land and People</i> (1957)	Holt	3.49	3.40

Interpretations of Law

Applicable to Schools

LAURENCE D. KEARNEY, *Administrative Adviser*

[The following items are merely digests, and although care is taken to state accurately the purport of the opinions reported, the items have the limitations common to all digests. The reader is therefore urged to examine the complete text of an opinion digested and, when necessary, secure competent legal advice before taking any action based thereon.]

OPINIONS OF CALIFORNIA DISTRICT COURTS OF APPEAL

Application for Credentials: Exhaustion of Administrative Remedies

A person whose applications for a credential and renewal of a credential were denied by the Commission of Credentials, a commission authorized by statute (Education Code Section 12030) and empowered to exercise such duties relating to certification as are given it by the State Board of Education, will be denied a writ of mandate requiring that Board to issue the credential unless he has first exhausted his administrative remedy by appeal to that Board as provided by Education Code Section 12044 and Section 204 of Title 5 of the California Administrative Code. In this instance, applications for a general elementary credential, a junior high school credential, and a school administrator's credential were denied in 1950 by the Commission of Credentials which notified the applicant that the denial was based on the fact that the applicant had been dishonorably discharged by the United States Army in 1946. He did not appeal this action to the State Board of Education. In 1953, he applied for and was refused a junior high school credential by the Commission of Credentials. He thereupon appealed from such refusal to the State Board of Education which held that his dishonorable discharge did not involve facts constituting moral turpitude within the meaning of Education Code Section 12106 and issued the junior high school credential. In the present action in which he sought a writ of mandate requiring the Board to issue a general elementary and a school administrator's credential under his 1950 application, he asserted that the Board was estopped to claim that he should have appealed to the Board before applying to the court. His claim of estoppel was based upon the fact that the Commission and "other persons in authority" had stated that his dishonorable discharge disqualified him for a credential. There is no merit in his claim of estoppel because in 1953 he knew that the State Board would not deny him a credential for that reason, and he should have exercised his right of appeal to the Board before applying to the court.

Similarly, where the Qualification Appraisal Board, because of his dishonorable discharge, disqualified him in two examinations for the position of high school teacher from which action he did appeal to the State Personnel Board as he was entitled to do under Section 202 of Title 2 of the California Administrative Code, a writ of mandate compelling the Qualification Appraisal Board to qualify him was properly denied since by not exercising his right of appeal he failed to exhaust his administrative remedies. (*Pete v. State Board of Education*, 144 A.C.A. 39.)

School Construction Contracts; Payment of Cost of Tests

Where a contractor and a school district make certain provisions in the specifications relating to backfilling and compaction of soil, and after completion of the original backfilling, tests show that the required degree of compaction has not been achieved, the contractor is required to take steps necessary to fulfill the specifications. The district has no duty to make tests during the process of backfilling, and day to day inspection by various school district inspectors does not constitute approval or ratification of work improperly done by the contractor.

The cost of tests made necessary by the manner in which the contractor executed his original work is payable by the contractor, but the cost of original tests is payable by the school district (Section 31, Title 5, California Administrative Code). (*Pacific Coast Builders v. The Antioch Live Oak Unified School District*, 144 A.C.A. 131).

For Your Information

STATE BOARD OF EDUCATION ACTIONS

The following actions were taken by the State Board of Education at its regular meeting held in San Francisco, March 7, 8, and 9, 1957.

Changes in Rules and Regulations

Elementary Textbooks. Acting under the authority of Education Code Section 112, the Board amended Section 43 of, and added Sections 44.1 and 44.2 to, Title 5 of the California Administrative Code, relating to elementary textbooks, to read as follows (effective April 17, 1957).

43. *Textbooks are State Property.* All state textbooks distributed to school districts, county superintendents of schools, and state institutions shall remain the property of the State of California.

44.1. *Distribution of Textbooks.* (a) Requisitions shall be submitted to the Superintendent of Public Instruction on forms provided by him by the governing board of each elementary school district and each unified school district and by each county superintendent of schools for the number of copies of each state textbook needed for pupils enrolled in the elementary schools. Requisitions may be submitted by the governing boards of unified school districts and high school districts for state textbooks needed for pupils enrolled in the 7th and 8th grades of junior high schools. Requisitions submitted by the governing boards of school districts shall be forwarded through the offices of the county superintendents of schools for approval.

(b) The Superintendent of Public Instruction shall ascertain that the number of copies of textbooks requested are adequate but not in excess of the number of copies needed. Due consideration shall be given anticipated increase in enrollment, needs of teachers and supervisors, and reasonable wear and loss of copies previously distributed.

(c) The Superintendent of Public Instruction shall obtain receipts for textbooks distributed and shall maintain records of distribution.

Sec. 3. Section 44.2 is added to said code to read:

44.2 *Distribution of Large Print Textbooks.* (a) All requests and requisitions for large print textbooks shall be accompanied by certified statements that they will be used only by pupils who, as determined by ophthalmological or optometrical examinations made by a physician and surgeon or optometrist licensed to practice in California, have visual acuity in the better eye, after necessary treatment and compensating lenses have been provided, not greater than 20/70, and who have a residue of sight adequate for the reading of such textbooks; or who have such other visual impairment that they cannot profit from using regular textbooks but have adequate vision for the reading of large print textbooks.

(b) The governing board of any school district may request the county superintendent of schools to supply large print textbooks for the use of pupils within the district. The county superintendent of schools shall supply such textbooks to the district and shall demand their return to his custody when the need for them ceases. The county superintendent of schools shall submit requisition to the Superintendent of Public Instruction, on forms provided by him, for large print textbooks needed to supply the school districts. Such textbooks distributed to the county superintendent of schools and not needed in school districts shall be returned to the Superintendent of Public Instruction upon his request.

(c) The governing board of any school district with an enrollment of 40,000 or more pupils in grades one through eight may submit requisitions to the Superintendent of Public Instruction, on forms provided by him, for large print textbooks for the use of pupils within the district. After the need for such textbooks ceases within the school district, the textbooks shall be returned to the Superintendent of Public Instruction upon his request.

Approval of Changes in School District Organization

In accordance with the provisions of Chapter 16 of Division 2 of the Education Code (Sections 4871 to 4991) and the recommendations of the Division of Public School Administration, the Board approved the following proposals:

Formation of a union elementary school district in Nevada County—A proposal by the augmented Nevada County Committee on School District Organization that an election be held to determine whether the voters in the Birchville, Cherokee and North San Juan elementary school districts wish to form a union elementary school district of these three existing districts.

Formation of a unified school district in Mono County—A proposal of the augmented Mono County Committee that an election be held to determine whether the voters of the Antelope Union, Benton, Bridgeport, Lee Vining, and Mammoth elementary school districts, and the Mono County High School District wish to form a unified school district coterminous with the boundaries of Mono County.

Formation of a unified school district in Modoc County—A proposal of the augmented Modoc County Committee on School District Organization that an election to be held to determine whether the voters of the Adin Joint Union, Bieber, and Lookout union school districts wish to form a unified school district situated partly in Modoc County and partly in Lassen County.

Formation of a unified school district in Tehama County—A proposal of the augmented Tehama County Committee on School District Organization that an election be held to determine whether the voters of the Live Oak, Los Molinos, Tehama, and Vina elementary school districts wish to form a unified school district to consist of the territory now served by the Los Molinos High School; which territory is now part of the Corning Union High School District.

Revocation of Credentials for Public School Service

The Board revoked the credentials for public school service previously issued to the following persons, effective on the dates indicated:

<i>Name</i>	<i>Revocation effective</i>	<i>By authority of Education Code Section</i>
Briscoe, Laurin C.	March 7, 1957	12752
Conrod, Douglas Keith	January 14, 1957	12754
Darsey, George Edward	March 7, 1957	12752
Houston, William Edgar	January 23, 1957	12754
Johnston, Ronald Irving	January 18, 1957	12754
Macdonald, Donald Ian	March 7, 1957	12756
McConnell, Dale LeRoy	March 7, 1957	12752
McGarry, Andrew Patrick	January 16, 1957	12754
Parker, Robert Daniel	March 7, 1957	12756
Rison, Clarence McKay	March 7, 1957	12756
Schelley, Jerome Howard	March 7, 1957	12752
Woods, Ted Dixon	March 7, 1957	12755

Suspension of Credential for Public School Service

Under authority of Education Code Section 12751, the Board ordered the suspension of the General Secondary Credential issued to Horace Dyer Crist, effective for one year commencing January 1, 1957.

Adoption of Textbooks and Teachers' Manuals in Music

On recommendation of the State Curriculum Commission, the Board adopted the following textbooks and teachers' manuals in music for a period of not less than six years nor more than eight years beginning July 1, 1958, subject to revision by the State Department of Education under the direction of the State Curriculum Commission.

For use in schools with graded programs in music

BASIC TEXTBOOKS AND TEACHERS' MANUALS

MUSIC FOR LIVING SERIES, by Mursell and Others, published by Silver Burdett Company (1956).

- Grade 2 *Music in Our Town*
Pupil's book and teacher's book
- Grade 3 *Music Now and Long Ago*
Pupil's book and teacher's book
- Grade 4 *Music Near and Far*
Pupil's book and teacher's book
- Grade 5 *Music in Our Country*
Pupil's book and teacher's book
- Grade 6 *Music Around the World*
Pupil's book and teacher's book

For small schools in which pupils of 2 or more grades are enrolled in the same class, the book will be distributed so that each pupil has a book for each of the grades represented by the enrollment in the class.

SUPPLEMENTARY TEXTBOOKS AND TEACHERS' MANUALS FOR USE IN GRADE ONE

MUSIC FOR LIVING SERIES, By Mursell and Others, published by Silver Burdett Company (1956)

- I Like the Country*
- I Like the City*

For distribution on the basis of 10 copies for each first grade class.
Music Through the Day—Teacher's Book 1

For use in schools with ungraded programs in music

BASIC TEXTBOOKS

TOGETHER WE SING SERIES, By Wolfe and Others, published by Follett Publishing Company (1952)

- Grades 1 to 8 All grades edition
- Grades 1 to 4 Lower grades edition
- Grades 5 to 8 Upper grades edition

SUPPLEMENTARY TEXTBOOKS AND TEACHERS' MANUALS

The same books recommended as basic textbooks and teachers' manuals for schools with graded programs in music are recommended for use in schools with ungraded programs, with distribution on the basis of one copy of each book for each pupil in the grade for which the book is adopted.

Readoption of Textbooks and Teachers' Manuals in Music

On recommendation of the State Curriculum Commission, the Board readopted the following textbooks and teachers' manuals for a period of two years beginning July 1, 1958:

- A SINGING SCHOOL SERIES, published by C. C. Birchard and Company
Our First Music, edited by Armitage and Others (1947)
Kindergarten and first grade teacher's book
Grade 7 *Sing Out* (1947)
Pupil's book and teacher's book
Grade 8 *Let Music Ring* (1949)
Pupil's book and teacher's book

COURSE IN CITY PLANNING FOR EDUCATORS

A new course—City Planning in Relation to the School District—will be offered especially for teachers, counselors, school librarians, and school administrators during the first summer session of the University of California, Berkeley, June 17 to July 27, 1957.

The purpose of the course, believed to be the first of its kind ever presented in an American university, will be to acquaint educators with current theory and practice in city planning. To meet the particular needs of teachers of social studies, some lectures in the course will be devoted to an analysis of books and articles related to the subject of city planning, and their suitability for school use. Information on programs of professional training in city planning in universities will be provided so that teachers and counselors responsible for helping young people to choose careers will know what is involved in preparing for the profession of city planner.

The course, included in the Letters and Science List of Courses, will count toward teaching credentials and toward higher degrees in education. Further information may be obtained from the Office of Summer Sessions, Room 1, Administration Building, University of California, Berkeley 4, California.

NORTHERN CALIFORNIA COUNCIL ON FAMILY RELATIONS

The annual meeting of the Northern California Council on Family Relations will be held at Mills College, May 24, 1957. The program will include an afternoon panel discussion on the topic, "Young People Look at Their Marriages," with Thomas Poffenberger, Assistant Professor of Home Economics at the University of California, Davis, as moderator. After a business meeting and smorgasbord dinner a group of community leaders will consider questions raised by members of the afternoon panel.

Professional Literature

PUBLICATIONS RECEIVED

- Automobile Mechanics for Vocational High Schools: A Syllabus.* Albany, N. Y.: Bureau of Trade and Technical Education. University of the State of New York, State Education Department, 1956. Pp. x + 132.
- BAUER, HUBERT A. *Cartography (Map Making).* Vocational and Professional Monograph Series, No. 60. Cambridge 38, Mass.: Bellman Publishing Co., 1957 (revised edition). Pp. 32. \$1.00.*
- Children Turn to Educational Television.* Ann Arbor, Mich.: Educational Television and Radio Center (1610 Washtenaw Ave.), 1957. Pp. 16.
- CHURCH, DAVID M. *Philanthropic Fund-Raising as a Profession.* Vocational and Professional Monograph Series, No. 88. Cambridge 38, Mass.: Bellman Publishing Co., 1957. Pp. 30. \$1.00.*
- Directory of Counseling Agencies, 1956.* An Approved List Prepared by the Committee on Professional Practices, of the American Personnel and Guidance Association. Washington 5, D. C.: American Personnel and Guidance Association, Inc. (1534 O St., N.W.). Pp. 56. \$1.00.
- ENGELHARD, SISTER MARY DOMINIC. *An Experimental Study of Arithmetic Problem-Solving Ability of Sixth Grade Girls.* Washington 17: Catholic University of America Press, 1955. Pp. x + 62. \$1.00.
- Enrollment, Teachers, and Schoolhousing in Full-Time Public Elementary and Secondary Day Schools, Fall, 1956.* Circular No. 490. Prepared by SAMUEL SCHLOSS and CAROL JOY HOBSON under the direction of EMERY M. FOSTER, Chief, Research Studies and Surveys Section. Washington 25, D. C.: U. S. Department of Health, Education and Welfare, 1957. Pp. 8. \$0.15.
- Fall Testing Program in Independent Schools and Supplementary Studies.* Educational Records Bulletin, No. 68. New York 32: Educational Records Bureau (21 Audubon Ave.), 1957. Pp. xii + 74.
- HANSEN, CARL F. *Miracle of Social Adjustment: Desegregation in the Washington, D. C. Schools.* New York 22: Anti-Defamation League of B'nai B'rith (515 Madison Ave.), 1957. Pp. 70. \$0.35.
- Health Teaching in Elementary Schools.* Curriculum Bulletin 1955-56 Series, No. 5. Brooklyn 1, New York: Board of Education of the City of New York (110 Livingston St.), 1956. Pp. vi + 72.
- Industrial Arts Shop Planning: For School Boards, Administrators, Architects, Teachers.* Albany, N. Y.: Bureau of Industrial Arts Education. University of the State of New York, State Education Department, 1956. Pp. xii + 64.
- KAISER, SISTER M. LAURINA. *The Development of the Concept and Function of the Catholic Elementary School in the American Parish.* Washington 17, D. C.: Catholic University of America Press, 1955. Pp. x + 150. \$1.75.
- KLIEBHAN, SISTER MARY CAMILLE. *An experimental Study of Arithmetic Problem-Solving Ability of Sixth Grade Boys.* Washington 17, D. C.: Catholic University of America Press, 1955. Pp. viii + 52. \$1.00.
- Principles and Practices of Teacher Evaluation Programs.* Research Bulletin No. 97, December, 1956. San Francisco 2: California Teachers Association (693 Sutter St.), 1956. Pp. 36. \$0.50.

* Discounts on orders in quantity.

DIRECTORY OF THE CALIFORNIA STATE DEPARTMENT OF EDUCATION

STATE BOARD OF EDUCATION

Term Expires
January 15

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(Unless otherwise indicated, all staff members may be reached at the State Education Building, 721 Capitol Avenue, Sacramento 14)

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